



# Herbrand Tools

*Van Chrome*

**UTICA-HERBRAND**

DROP FORGE AND TOOL DIVISION  
KELSEY-HAYES COMPANY  
ORANGEBURG, SOUTH CAROLINA

DISTRIBUTED BY

**Tool Catalog 56 A**









# TOOL CATALOG 56A

A new section index and page numbering system has been incorporated into this Edition. Catalog Sections have been made more general to cover the wide range of tools. All page numbers run consecutive to permit quick reference from the alphabetical index at the front of the Catalog.

## GUARANTEE

The trade mark HERBRAND or VAN CHROME is your unqualified guarantee against any defects in quality or workmanship. Each tool is designed and engineered with plus strength factors to perform the maximum service on the job for which it is intended. Any tool failing in this normal use may be returned prepaid to the factory, and if our inspection reveals the failure due to defective quality or workmanship, the tool will be repaired or replaced and returned without charge.

This guarantee does not cover:

1. ABUSE—such as improper use or application of excess torque on the tool.
2. ALTERATION—such as grinding, filing, heating or altering original shape.
3. NORMAL "WEAR-OUT"—the abrasion and fatigue of years of use will eventually "wear-out" any tool.

**Sold only through Wholesale and Jobbing Distributors.**

HERBRAND recognizes and supports the traditional system of distribution through wholesale and jobbing distributors—and we are proud to list the leaders in this field as the customers we serve.

**Factory Field Representatives and Stock Warehouses  
in every Trading Area:—**

These representatives and warehouses have been established for your convenience and offer you service, quality and cooperation.

***UTICA-HERBRAND***

DROP FORGE AND TOOL DIVISION  
KELSEY-HAYES COMPANY  
ORANGEBURG, SOUTH CAROLINA



# ALPHABETICAL INDEX

Adapter, Socket Drive.....	9	Industrial Wrenches.....	15	Timing Gear Puller.....	42
Adapters, Power Impact.....	14	Jimmy Bars.....	25	Tin Snips.....	27-28
Adjustable Wrenches.....	19	Magnetic Pick-Ups.....	27	Tire & Wheel Tools.....	50-51
Aligning Bars.....	25	Mallets, Rubber.....	51	Tool Sets, Rolls & Boxes.....	16-17, 20
Allen Hex Keys.....	19, 35	Manifold Wrenches.....	47	Torque Wrenches.....	19
Automatic Transmission Tools.....	29	Mechanic Tool Sets.....	30-38	Tray, Sockets.....	33-34
Aviation Type Snips.....	28	Metal Cutters.....	27-28	Tube Cutter.....	28
Ball Pein Hammers.....	52	Multiscope.....	28	Tune-Up Electrical Equip.....	55-59
Battery Pliers.....	22	Metric Sockets.....	20, 37	A.C. Power Timing Light.....	58
Battery Tools.....	22, 41	Metric Wrenches.....	20, 37	Coil & Condenser Tester.....	56
Bearing Separator Pullers.....	39	Midget Open End Wrenches.....	15	Combination Meters.....	
Bits, Drill.....	26	Nylon Hammers.....	52	Dwell Meter & Tachometer.....	55
Body Repair Tools.....	52, 53, 54	Offset Screwdrivers.....	24, 37	Dwell Meter, Tachometer, Voltmeter	
Boxes, Tool.....	30	Offset Wrenches.....	18	& Ammeter.....	55
Box Wrenches.....	18	Obstructo Wrenches.....	46-47	Complete Tune-Up Center.....	58
Brake Service Tools.....	17, 32, 43	Open End Wrenches.....	15	Compression Gauge Tester Adapters.....	57
	45-47	Phillips Screwdrivers.....	23-24	Compression Gauge Tester Kit.....	57
Brake Cylinder Hone.....	45	Pick-Up Tools.....	27	Dwell (Cam Angle) Meter.....	56
Bronze Hammers.....	51	Pipe Wrenches.....	19	Equipment Utility Stand.....	58
Brushes, Steel Wire.....	50	Piston Ring Tools.....	44	Generator Meter.....	57
Budd Wheel Socket.....	13	Pliers, All Types.....	21-22	Generator Regulator Tester.....	56
Cadillac, Spec. Tools.....	44, 46-48	Pliers, Vice Grip.....	21	Neon Tube Timing Light.....	58
Camber, Caster Wrenches.....	44	Pocket Size Tool Kit Set.....	36	Power Timing Light.....	58
Carbon Scrapers.....	27	Point Setting Tool.....	49	Remote Circuit Control.....	57
Carbon Steel Wrenches.....	60-63	Power Impact Sockets.....	12	Remote Starter Switch.....	57
Carburetor Tools.....	43, 49	Pry Bars.....	25	Starter Current Indicator Meter.....	57
	4, 22	Pullers.....	39-42	Tachometers.....	
Chevrolet, Special Tools.....	42, 43	Punches.....	25	Direct Reading.....	55
	46-48	Push-Pull Rules.....	27	Dual Range.....	56
Chisels.....	25	Putty Knives.....	27	Universal Marine.....	55
Chrysler, Special Tools.....	8, 46-48	Ratch-A-Daptors.....	4, 5, 7	Three Unit Carrier Rack.....	58
	16	Ratchet Box Wrenches.....	18	Tune-Up Sets.....	58-59
Combination Wrenches.....	17, 20	Ratchet Handles.....	4, 5, 7	Vacuum & Fuel Pump Gauge.....	57
Connecting Rod Sockets.....	9, 48	Reed & Prince Screw Driver Bit.....	5	Voltmeter.....	55-56
Cutters, Metal.....	27-28, 48	Rethreading Tools.....	27	Valve Tools.....	44
Cutter, Muffler & Tail Pipe.....	47	Rim & Tire Tools.....	50-51	Wheel Pullers.....	39
Cutting Pliers.....	21-22	Ring Compressors.....	44	Wire Brushes.....	50
Cutter, Tube.....	28	Rolls, Tools.....	16-17, 20	Wrenches:	
Cylinder Deglazing Hone.....	45		35-38	Adjustable.....	19
Diagonal Pliers.....	21	Rollway, Workshop.....	30	Allen Hex.....	19, 35
Distributor Tools.....	4, 47-49	Rubber Head Hammers.....	51	Box.....	18
Dolly Blocks.....	54	Rules, Push-Pull.....	27	Camber, Caster.....	44
Door Handle Tool.....	53	Scrapers.....	27	Carbon Steel.....	60-63
Drain Plug Wrenches.....	5, 46	Screwdrivers, All Types.....	23-24	Combination.....	17-20
Drill Bits, Sets.....	26	Screw Extractors.....	24	Drain Plug.....	46
Electrical & Ignition Wrenches.....	15, 18	Screw Starters.....	24	Electrical.....	15, 18, 36
Electrical Pliers.....	21-22	Service Station Tools.....	29, 32, 38	Engineers.....	60-63
Engineers Wrenches.....	15, 60-63		46-50, 58	Filler Plug.....	5, 8, 48
Electrical Test Equip.....	55-59	Shock Absorber Tool.....	47	Flare Nut.....	17, 37
(See Tune-Up Electrical Equip.)		Slide Hammer Puller.....	40	Flex Box.....	17, 37
Extractors, Screw.....	24-35	Socket, Budd Wheel.....	13	Hex Fit Combination.....	16-17
Extractors, Stud.....	35-42	Socket Sets, All Drives.....	33-34, 37	Hex Key.....	19
Feeler Gauges.....	43	Sockets, Special Purpose.....	48	Ignition.....	15, 18, 36
Files & Holders.....	27, 28	Socket, Wrenches.....	4-11	Industrial.....	15, 60-63
Filler Plug Wrenches.....	5, 8, 48	Sound Detector-Multiscope.....	28	Manifold.....	47
Flare Nut Wrench.....	17, 37	Spark Plug Gauges.....	43	Metric.....	20, 27
Flaring Tool.....	28	Spark Plug Tools.....	43, 48	Midget Box.....	18, 36
Flex Box Wrenches.....	17, 37		6, 9	Midget Open End.....	15
	5-9	Special Purpose Tools.....	46-47	Offset.....	18, 46, 47
Ford Special Tools.....	41-44	Speeder Handles.....	4, 5, 8	Obstructo.....	15
	47-48	Spoons, Body.....	52	Open End.....	15, 60-63
Gauges, Feeler.....	43	Starter Wrenches.....	47	Pipe.....	19
Gauges, Carburetor.....	43	Steel Rules.....	27	Power Impact Socket.....	12
Gear Pullers.....	41-42	Structural Wrenches.....	60-63	Ratchet Box.....	18
Hack Saw Frame & Blades.....	28	Stud Pullers.....	42	Socket.....	4-11
Hammers, All Types.....	50-53	Stud Extractors.....	24	Socket Special Purpose.....	48
Harmonic Balancer.....	42	Tail Pipe Cutters.....	47	Special Purpose.....	46-47
Hex-Fit Wrenches.....	16-17	Tappet Adjuster.....	44, 47	Socket Wrench Sets—all drives.....	33-34, 37
Hex Key Wrenches.....	19	Tappet Wrenches.....	15	Spark Plug.....	6, 9, 48
Hi-Speed Drills.....	26	Thread Restorer.....	27	Starter.....	47
Hold-It Sockets.....	48	Thickness Gauges.....	43	Structural.....	60-63
Ignition & Electrical Wrenches.....	15, 18			Tappet.....	15, 47
Impact Sockets.....	12-13			Torque.....	19
Impact Sockets, Adapters & Extensions.....	14				





# Herbrand Tools

Since the year 1881 HERBRAND has been recognized by the industry as a manufacturer of highest quality mechanic's hand tools.

Constantly improving the line by developing new tools has kept HERBRAND "up to date" in the eyes of the professional mechanic and specialized serviceman. They look to HERBRAND for the latest and the best in tools and have come to depend upon the trademark "HERBRAND" and "VAN CHROME" as a mark of fine craftsmanship. As skilled mechanics they are proud to own and use tools known and preferred throughout the industry.

Located in Orangeburg, S. C. with over forty acres of modern plant facilities, HERBRAND maintains the traditional system of selling through wholesale and jobber distribution. Factory field representatives and complete warehouse stocks located in all principal trading areas offer the user convenience, service, quality and cooperation.

## **SPECIAL AND ORIGINAL EQUIPMENT TOOLS**

HERBRAND welcomes the opportunity to quote on all types of special tools and tool kits for original equipment and manufacturers. Please send your blueprint or requirements care of HERBRAND TOOLS, Sales Department, Orangeburg, S. C. and HERBRAND will be pleased to offer their manufacturing "know-how" for your requirements.



**Herbrand — Tools Of Quality — For The Skilled Mechanic**



# 1/4" SQUARE DRIVE MIDGET "M" SERIES SOCKETS, HANDLES & ATTACHMENTS



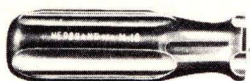
M-5



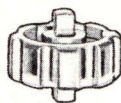
M-8



M-13



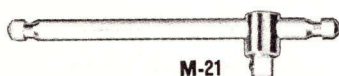
M-18



M-19



M-20

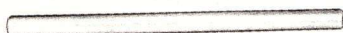


M-21



M-22

M-23



M-33



M-41, M-42, M-43



M-45



M-35



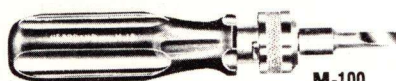
M-53 M-54 M-55



M-63, M-64, M-66



M-71



M-100

## 6-POINT SOCKETS REGULAR LENGTH

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
M-606	3/16	1	1 1/4	1/4
M-607	7/32	1	2 1/4	1/4
M-608	1/4	1	3/8	1/4
M-609	9/32	1	2 3/4	1/4
M-610	5/16	1	7/16	5/16
M-611	1 1/32	1	1/2	5/16
M-612	3/8	1	9/16	7/16
M-614	7/16	1	5/8	1/2

## 8-POINT SOCKETS

M-808	1/4	1	2 3/4	3/8
M-810	5/16	1	9/16	1/2
M-812	3/8	1	2 1/2	5/8

**M-5 Reversible Ratchet.** 24 teeth; 5 1/4" long; weight per 10—2 1/4 lbs.

**M-8 Ratch-A-Daptor.** converts any 1/4" drive handle into a fully reversible ratcheting tool. 1" O.D., 1 3/8" overall length; weight per 10—1 1/2 lbs.

**M-13 Flexible Offset Handle.** 5 1/4" long; weight per 10—1 3/8 lbs.

**M-18 Short Spinner Handle.** Tenite II Grip; length over all 3 3/8"; weight per 10—1 1/2 lbs.

**M-19 Quick Spin Handle.** 1 1/8" long; weight per 10—1/2 lb.

**M-20 Spinner Handle.** Tenite II grip. 6 1/4" long; weight per 10—1 1/4 lbs.

**M-21 Sliding T Handle.** 4 1/2" long; weight per 10—7/8 lb.

**M-22 Extension.** 5 1/2" long; weight per 10—1 1/4 lbs.

**M-23 Extension.** 2" long; weight per 10—1/2 lb.

**M-33 Bar Handle.** 4 1/2" long; 1/4" diameter; weight per 10—5/8 lb.

**M-35 Universal Joint.** 1 7/8" long; outside diameter 1/2"; weight per 10—7/8 lb.

**M-41, M-42, M-43 Socket Type Phillips Bit.** No. 1, 2 & 3 Point. 1 1/8" long; weight per 10— 5 ozs.

**M-45 Phillips Screw Driver Bit.** No. 2 Point. 2" long; weight per 10—1/2 lb.

**M-53 Slot Screw Driver.** Bit width 3/16"; 3 1/4" long; weight per 10—1/2 lb.

**M-54 Slot Screw Driver.** Bit width 1/4"; 3 1/4" long; weight per 10—1 1/8 lb.

**M-55 Slot Screw Driver.** Bit width 5/16"; 3 1/4" long; weight per 10—1 3/8 lb.

**M-63, M-64, M-66 Slot Screw Driver Bit.** Width 1/8", 1/4", 3/8", 1 1/8" long, weight per 10—5 ozs.

**M-71 Special Chevrolet Dist. Socket.** For point removal on all Chevrolet 1953-54. Weight per 10—5/8 lb.

**M-100 Ratchet-Driver**—A 3-piece set consisting of an M-18, M-8 and M-63. A ratcheting screw driver for close work—adaptable to all 1/4" drive attachments. Weight per 10—3 3/8 lbs.

## 6-POINT DEEP SOCKETS

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
M-510	5/16	2	7/16	3/4
M-512	3/8	2	9/16	3/4
M-514	7/16	2	5/8	1
M-516	1/2	2	1 1/16	1 1/8
M-518	9/16	2	3/4	1 1/8



M-606 to M-614



M-808 to M-812

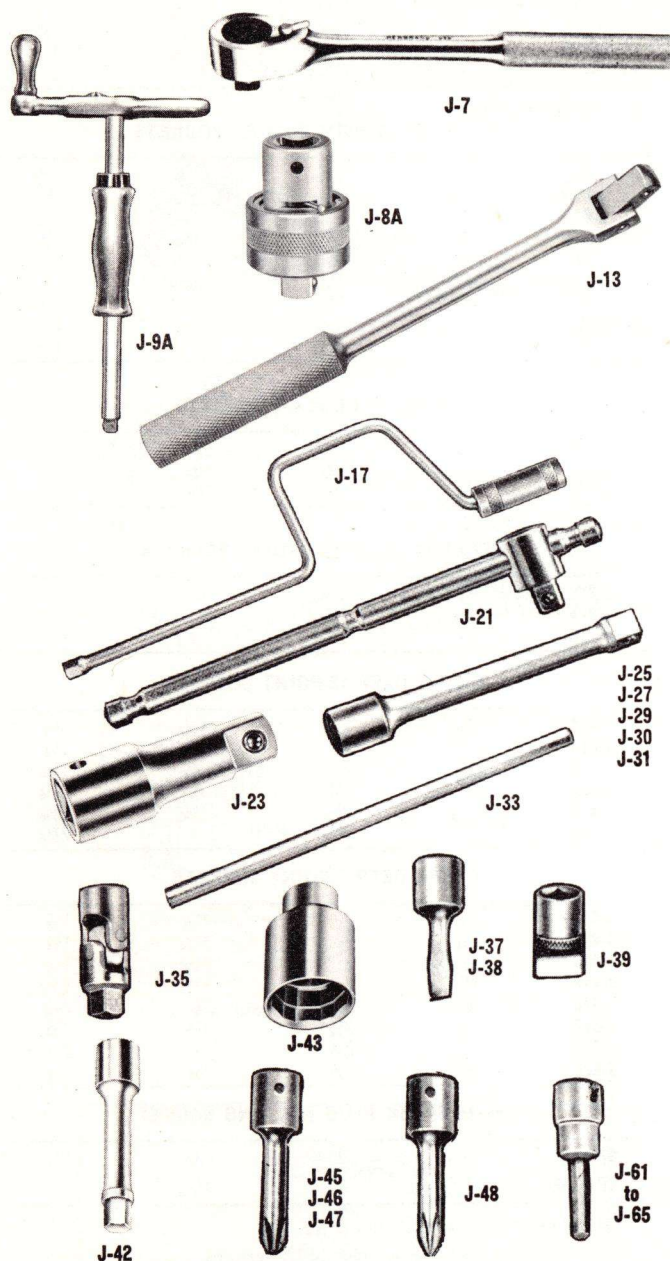


M-510 to M-518



## 3/8" SQUARE DRIVE JUNIOR "J" SERIES HANDLES AND ATTACHMENTS

Made for the professional mechanic, these Van-Chrome handles and attachments get into the smallest working areas with the strength and durability to handle the most stubborn jobs. Special Alloy Steels combined with most modern hardening and machining methods, provide trim narrow lines for maximum clearance. Chrome plated, faces and ends polished.



**J-7 Reversible Ratchet.** 36 teeth; 7¼" long.

**J-8A Ratch-A-Daptor.** Converts any handle to a reversible action tool. 30 teeth; 2½" long; maximum O.D. 1½"; weight 10—3¼ lbs.

**J-9A Speedratchet.** Versatile reversible ratchet tool. Combination extension, spinner handle, T handle ratchet. 12" long; weight per 10—14½ lbs.

**J-13 Flexible Offset Handle.** 8" long; weight per 10—3½ lbs.

**J-17 Speeder Handle.** 17" long; swing radius 3¾"; weight per 10—10½ lbs.

**J-21 Sliding T Handle.** 7¾" long; head O.D. ¾"; head length 1¼"; weight per 10—3¼ lbs.

**J-23 Extension.** 1¾" long; weight per 10—2½ lbs.

**J-25 Extension.** 3" long; weight per 10—1½ lbs.

**J-27 Extension.** 5" long; weight per 10—1½ lbs.

**J-29 Extension.** 12" long; weight per 10—3½ lbs.

**J-30 Extension.** 20" long; weight per 10—5½ lbs.

**J-31 Extension.** 24" Long;

**J-33 Bar Handle.** 6½" long; ¼" diameter; weight per 10—1½ lbs.

**J-35 Universal Joint.** 1½" long; outside diameter 2½"; weight per 10—1½ lbs.

**J-37 Slot Screw Driver.** Bit width ¼"; 2½" long; weight per 10—¾ lb.

**J-38 Slot Screw Driver.** Bit width ⅝"; 2½" long; weight per 10—¾ lb.

**J-39 Drag Link Socket.** Bit width 1¼"; thickness .116"; length 1¼"; weight per 10—¾ lb.

**J-42 ⅜" Hex Filler Plug Wrench**—for 59 Ford and Mercury Differential Plug—has ⅜" drive—3½" long—weight per 10—1½ lbs.

**J-43 Two-in-one Socket** for Stop light Switch and oil pressure light switch. ⅜" drive. 2" long. Openings 1½" and 1" (inside).

**J-45 Phillips Screw Driver Bit.** No. 2 point, 2½" long; weight per 10—1½ lb.

**J-46 Phillips Screw Driver Bit.** No. 3 point, 2½" long; weight per 10—1 lb.

**J-47 Phillips Screw Driver Bit.** No. 4 point, 2½" long; weight per 10—1½ lbs.

**J-48 Reed & Prince Screw Driver Bit.** ¼" diameter; 2½" long; weight per 10—¾ lb.

**J-61 Hex Bit Socket.** ⅜" replaceable bit; 2" long; O.A.L. 3¼"; weight per 10—1½ lb.

**J-62 Hex Bit Socket.** ⅝" replaceable bit; 1¾" long; O.A.L. 2¼"; weight per 10—¾ lb.

**J-63 Hex Bit Socket.** ¼" replaceable bit; 1¾" long; O.A.L. 2¼"; weight per 10—1 lb.

**J-64 Hex Bit Socket.** ⅝" replaceable bit; 1¾" long; O.A.L. 2¼"; weight per 10—1½ lbs.

**J-65 Hex Bit Socket.** ⅜" replaceable bit; 1¾" long; O.A.L. 2¼"; weight per 10—1½ lbs.

**SEE SECTION ELEVEN  
For Complete**

**Tool Sets, Socket Sets,  
Wrench Sets, Plier Sets  
and Chisel Sets.**

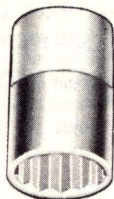
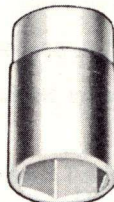
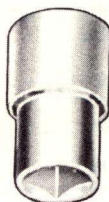
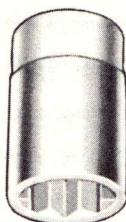
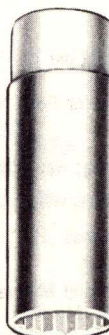
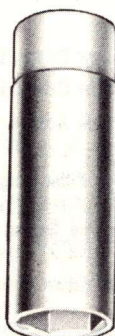
**Also Tool Boxes, Chests and Kits**

**Herbrand Tools**

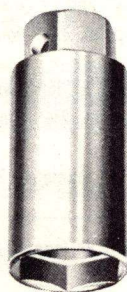
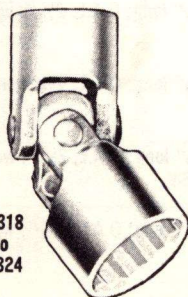
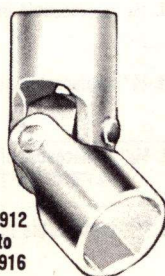


## 3/8" SQUARE DRIVE JUNIOR "J" SERIES 6, 8 AND 12 POINT SOCKETS, (REGULAR, DEEP & FLEXIBLE)

Small — Slender — Straight — Thin Walled — The new Junior series sockets are the best of their kind. Extra strength and durability. Hot forged from specially selected highest quality alloy steels. Complete choice of types and sizes includes 6-point and 12-point in regular and extra length, plus 4 and 8-point as well as flexible 6 and 12-point sockets.

J-112  
to  
J-124J-608  
to  
J-624J-509  
to  
J-512J-212  
to  
J-216J-414  
to  
J-424J-812  
to  
J-826

SPJ-26

J-318  
to  
J-324J-912  
to  
J-916

SPJ-1426



### REGULAR LENGTH 12-POINT SOCKETS

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
J-112	3/8	1 1/16	1 7/32	9/16
J-114	7/16	1 1/16	3 9/64	5/8
J-116	1/2	1 1/16	1 1/16	5/8
J-118	9/16	1 1/16	2 5/32	3/4
J-120	5/8	1 1/16	7/8	7/8
J-122	1 1/16	1 1/16	1 5/16	1
J-124	3/4	1 1/16	1	1

### REGULAR LENGTH 6-POINT SOCKETS

J-608	1/4	1 1/16	2 5/64	9/16
J-610	5/16	1 1/16	1 5/32	9/16
J-612	3/8	1 1/16	1 7/32	9/16
J-614	7/16	1 1/16	3 9/64	5/8
J-616	1/2	1 1/16	1 1/16	5/8
J-618	9/16	1 1/16	2 5/32	3/4
J-620	5/8	1 1/16	7/8	1 5/16
J-622	1 1/16	1 1/16	1 5/16	1
J-624	3/4	1 1/16	1	1 1/8

### 4-POINT PIPE PLUG SOCKETS

J-509	9/32	1 1/8	1/2	5/8
J-510	5/16	1 1/8	3 5/64	1 1/16
J-512	3/8	1 1/8	2 1/32	1 1/16

### REGULAR LENGTH 8-POINT SOCKETS

J-212	3/8	1 1/16	4 1/2	3/4
J-214	7/16	1 1/16	3/4	1 5/16
J-216	1/2	1 1/16	1 3/16	1

### EXTRA DEEP 12-POINT SOCKETS

J-414	7/16	2	3 9/64	1 1/8
J-416	1/2	2	1 1/16	1 1/8
J-418	9/16	2	2 5/32	1 5/16
J-420	5/8	2 1/2	7/8	2 1/16
J-422	1 1/16	2 1/2	1 5/16	2 5/16
J-424	3/4	2 9/16	1	2 7/16

### EXTRA DEEP 6-POINT SOCKETS

J-812	3/8	2	1 7/32	1 1/4
J-814	7/16	2	3 9/64	1 1/4
J-816	1/2	2	1 1/16	1 1/4
J-818	9/16	2	2 5/32	1 7/16
J-820	5/8	2 1/2	7/8	2 1/8
J-822	1 1/16	2 1/2	1 5/16	2 3/8
J-824	3/4	2 1/2	1	2 3/4
J-826	1 3/16	2 1/2	1 1/16	2 7/8

### 14MM SPARK PLUG HOLDING SOCKET

*SPJ-26	1 3/16	2 1/2	1 1/16	2 3/4
**SPJ-1426	1 3/16	3 1/2	1 1/16	

\* Has Rubber insert and 3/4" Hex Drive.

\*\* Full reversible ratchet action plus SPJ26 features.

### FLEXIBLE 6-POINT SOCKETS Spring Tension Construction

J-912	3/8	1 3/4	1/2	1
J-914	7/16	1 3/4	1 9/32	1
J-916	1/2	1 13/16	1 1/16	1 1/8

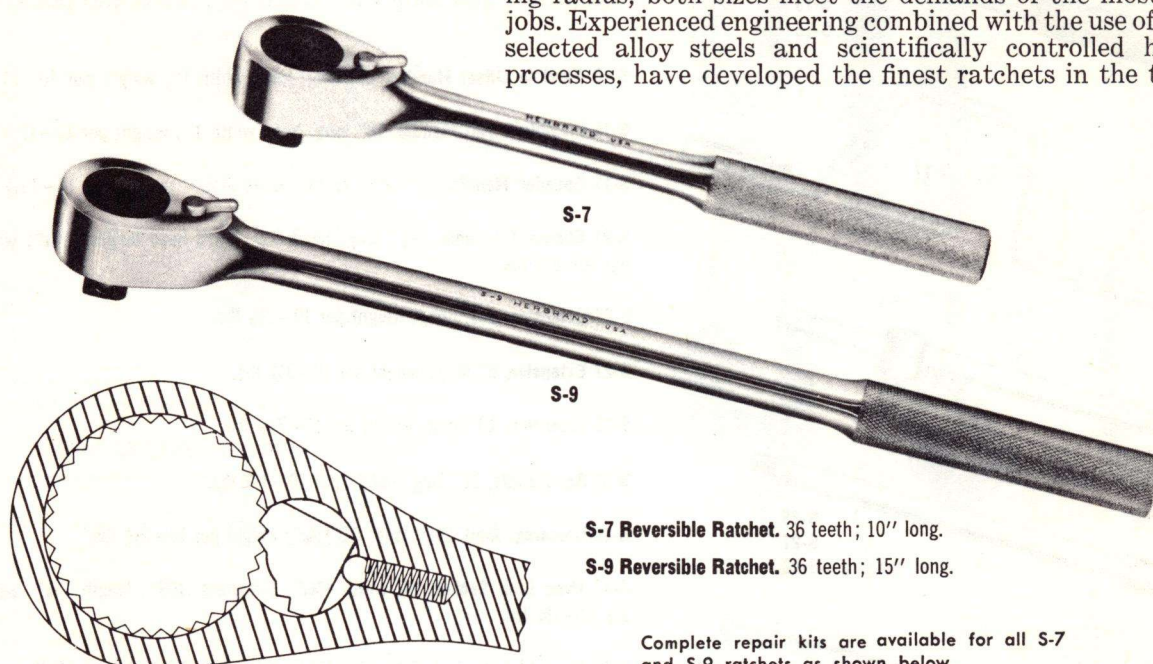
### FLEXIBLE 12-POINT SOCKETS Spring Tension Construction

J-318	9/16	1 13/16	1 3/16	1 1/4
J-320	5/8	1 7/8	7/8	1 9/16
J-322	1 1/16	1 7/8	1 5/16	1 9/16
J-324	3/4	1 7/8	1	1 9/16



# **1/2" SQUARE DRIVE STANDARD "S" SERIES RATCHETS AND RATCH-A-DAPTORS**

Today's professional mechanics require a complement of sizes and lengths in the popular 1/2" square drive ratchet. To properly meet these requirements, HERBRAND provides ratchets in both the 10" and 15" length. Engineered to function in the smallest working radius, both sizes meet the demands of the most difficult jobs. Experienced engineering combined with the use of specially selected alloy steels and scientifically controlled hardening processes, have developed the finest ratchets in the tool field.

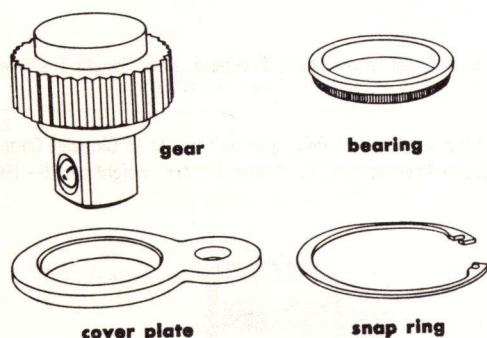


**S-7 Reversible Ratchet.** 36 teeth; 10" long.

**S-9 Reversible Ratchet.** 36 teeth; 15" long.

Complete repair kits are available for all S-7 and S-9 ratchets as shown below.

Part Number	Description
S-7RK	Complete Repair Kit
S-9RK	Complete Repair Kit

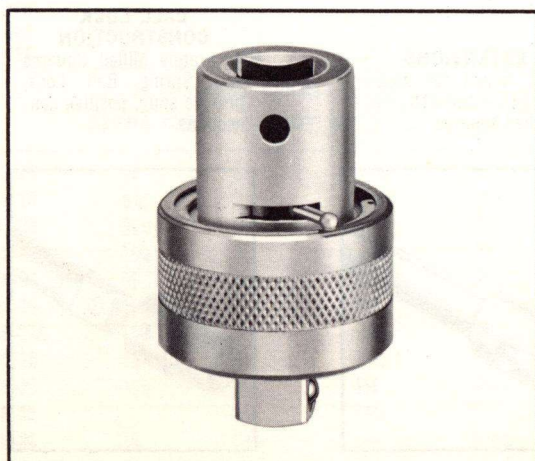


## **RATCHETS**

All Herbrand ratchets provide simple, strong, long life construction. Trouble free operation under most extreme usage. The drawing at left shows simplified construction of the Herbrand ratchet, in which working parts have been kept to a minimum. Bearings are replaceable quickly and easily on the job.

## **RATCH-A-DAPTORS**

Available in 3 sizes, 1/4", 3/8" and 1/2" drive. The compact adaptors are instantly reversible by a simple lever shift. Use with hinge handle, speeder handle, T-handle or torque wrench to convert to a reversible action tool.



**S-8A Ratch-A-Daptor.** 36 teeth; 2 9/16" long; maximum O.D. 1 1/8"; weight per 10 6 7/8 lbs.

**Herbrand Tools**



# 1/2" SQUARE DRIVE STANDARD "S" SERIES HANDLES AND ATTACHMENTS

Lighter, stronger and more efficient through continuous engineering and design improvements. Select alloy steels scientifically hardened for maximum toughness and long life. Chrome plated and polished.

**S-13 Flexible Offset Handle.** 12" long; head width 1"; weight per 10—13 lbs.

**S-15 Flexible Offset Handle.** 18" long; head width 1"; weight per 10—17<sup>3</sup>/<sub>8</sub> lbs.

**S-17 Speeder Handle.** 17" long; swing radius 3<sup>3</sup>/<sub>4</sub>"; weight per 10—13<sup>1</sup>/<sub>4</sub> lbs.

**S-21 Sliding T Handle.** 9<sup>5</sup>/<sub>8</sub>" long; head O D 1<sup>1</sup>/<sub>8</sub>"; head length 1<sup>3</sup>/<sub>4</sub>"; weight per 10—8<sup>3</sup>/<sub>8</sub> lbs.

**S-25 Extension.** 2<sup>1</sup>/<sub>2</sub>" long; weight per 10—2<sup>3</sup>/<sub>8</sub> lbs.

**S-27 Extension.** 5" long; weight per 10—3<sup>3</sup>/<sub>4</sub> lbs.

**S-28 Extension.** 10" long; weight per 10—7<sup>3</sup>/<sub>8</sub> lbs.

**S-33 Bar Handle.** 11" long; weight per 10—3<sup>1</sup>/<sub>2</sub> lbs.

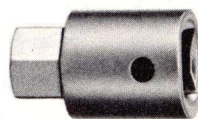
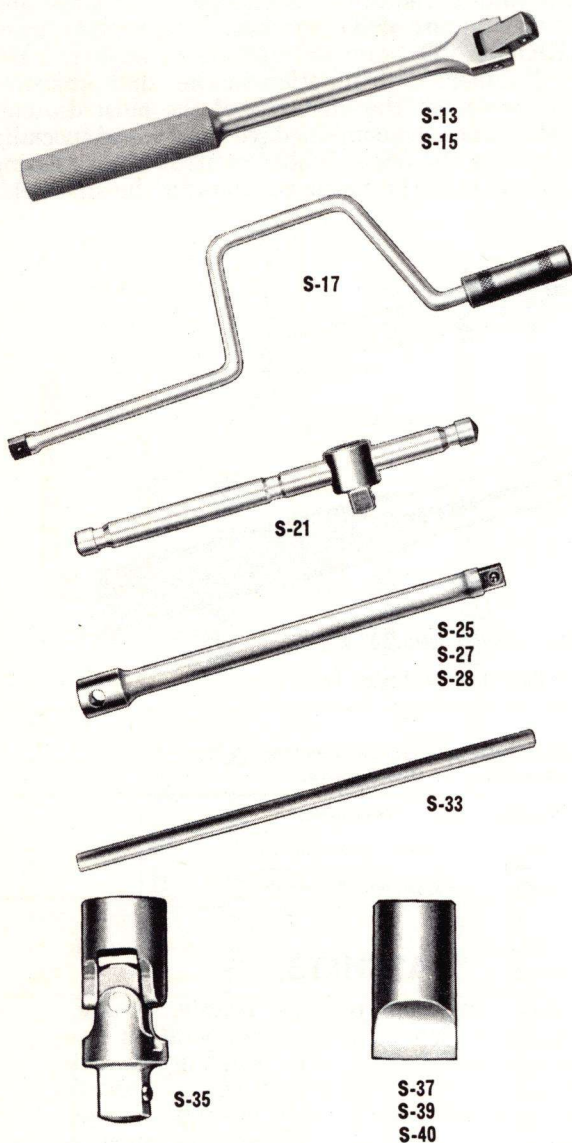
**S-35 Universal Joint.** 2<sup>3</sup>/<sub>8</sub>" long; OD 1<sup>1</sup>/<sub>8</sub>"; weight per 10—2<sup>1</sup>/<sub>2</sub> lbs.

**S-37 Drag Link Socket.** Bit width 4<sup>3</sup>/<sub>4</sub>"; thickness .109"; length 1<sup>3</sup>/<sub>8</sub>"; weight per 10—1<sup>3</sup>/<sub>4</sub> lbs.

**S-39 Drag Link Socket.** Bit width 1<sup>5</sup>/<sub>8</sub>"; thickness .153"; length 1<sup>3</sup>/<sub>8</sub>"; weight per 10—2<sup>1</sup>/<sub>4</sub> lbs.

**S-40 Drag Link Socket.** Bit width 1<sup>3</sup>/<sub>8</sub>"; thickness .150"; length 1<sup>3</sup>/<sub>8</sub>"; weight per 10—2<sup>3</sup>/<sub>4</sub> lbs.

**S-42 Filler Plug Wrench**—has 1/2" drive and 3/4" hex to fit Chrysler Corp. cars using female differential carrier plug. 1<sup>1</sup>/<sub>2</sub>" long; 7/8" dia.; weight per 10—1<sup>3</sup>/<sub>8</sub> lbs.

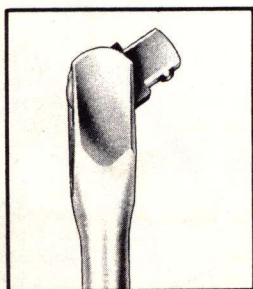


S-42

## Construction features

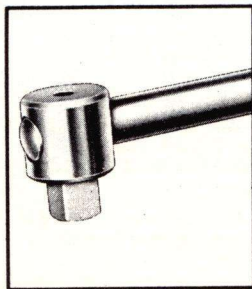
### HINGE HANDLE

New smooth controlled hinge action with steel friction ball movement.



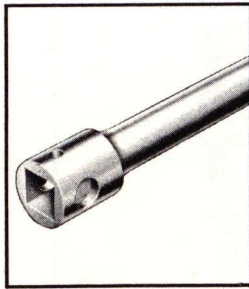
### SLIDING T

Note 3 positive positions—head slides flush to ends. No bind action.



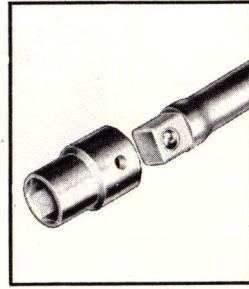
### EXTENSIONS

Heads forged for greater strength—smooth, hot-broached squares.



### BALL LOCK CONSTRUCTION

Accurately Milled Squares and Spring Ball Lock, provide snug, positive connections.





# 1/2" SQUARE DRIVE STANDARD "S" SERIES—6, 8 AND 12 POINT SOCKETS (REGULAR, DEEP, FLEXIBLE) SOCKET ADAPTORS

## REGULAR LENGTH—12-POINT SOCKETS

S-112	3/8	1 3/8	1 7/32	1 1/8
S-114	7/16	1 3/8	5/8	1 1/8
S-116	1/2	1 3/8	4 5/4	1 3/16
S-118	9/16	1 13/32	2 5/32	1 1/8
S-118V	9/16	1 11/32	4 5/4	1 1/4
S-119	1 9/32	1 3/8	5 3/4	1 1/4
S-120	5/8	1 1/2	7/8	1 1/4
S-122	1 1/16	1 1/2	1 9/16	1 3/8
S-124	3/4	1 9/16	1 1/16	1 13/16
S-125	2 5/32	1 9/16	1 1/16	1 3/4
S-126	1 3/16	1 19/32	1 1/8	2 1/16
S-128	7/8	1 5/8	1 3/16	2 1/4
S-130	1 5/16	1 21/32	1 1/4	2 3/8
S-132	1	1 23/32	1 3/8	3
S-134	1 1/16	1 3/4	1 7/16	3 1/8
S-136	1 1/8	1 13/16	1 1/2	3 1/4
S-140	1 1/4	1 7/8	1 11/16	4 11/16

‡ Special 6-point for Ford Conn. Rod Nuts—Not replaceable.

## REGULAR LENGTH—8-POINT SOCKETS

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
S-212	3/8	1 3/8	2 1/32	1 3/16
S-214	7/16	1 3/8	3/4	1 1/4
S-216	1/2	1 1/2	7/8	1 1/2
S-218	9/16	1 1/2	1 5/16	1 1/2
S-220	5/8	1 1/2	1 1/16	1 7/8
S-222	1 1/16	1 9/16	1 1/8	2 3/16

## FLEXIBLE 12-POINT SOCKETS Spring Tension Construction

S-316	1/2	2 7/32	1 1/16	2 1/8
S-318	9/16	2 7/32	2 5/32	2 1/8
S-320	5/8	2 7/32	7/8	2 1/8
S-322	1 1/16	2 7/32	1 5/16	2 7/16
S-324	3/4	2 11/32	1	2 1/2
S-326	1 3/16	2 11/32	1 1/16	2 7/16

## REGULAR LENGTH—6-POINT SOCKETS

S-612	3/8	1 3/8	1 7/32	1 1/16
S-614	7/16	1 3/8	5/8	1
*S-614V	7/16	1 1/2	.662	1 5/16
S-616	1/2	1 3/8	4 5/4	1 3/16
S-618	9/16	1 3/8	2 5/32	1 3/16
S-620	5/8	1 1/2	7/8	1 3/8
S-622	1 1/16	1 9/16	1 5/16	1 7/8
S-624	3/4	1 9/16	1 1/16	1 15/16

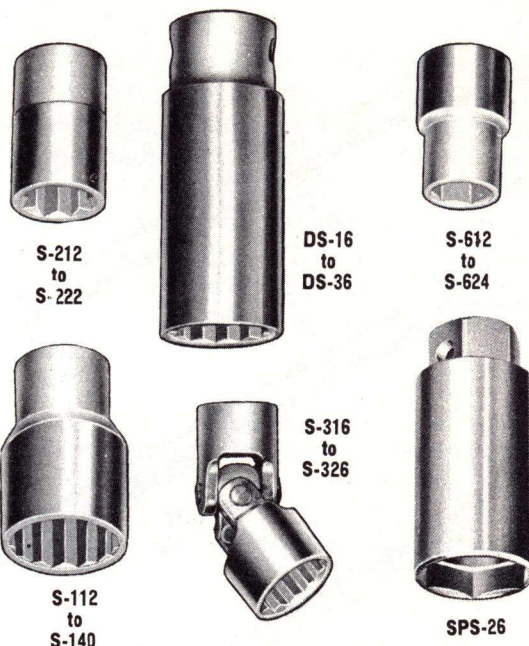
\* Special for Cadillac connecting rod nuts—Not replaceable.

## EXTRA DEEP—12-POINT SOCKETS

DS-16	1/2	3	4 7/4	3
DS-18	9/16	3	1 3/16	2 5/8
DS-20	5/8	3	7/8	2 3/16
DS-22	1 1/16	3	1 5/16	3 1/4
DS-24	3/4	3	1 1/16	3 3/16
DS-26	1 3/16	3	1 1/8	3 1/2
*DS-26S	1 3/16	3	1 1/32	3 3/8
DS-28	7/8	3 1/4	1 3/16	4 1/16
DS-30	1 5/16	3 1/4	1 1/4	4 1/4
DS-32	1	3 1/4	1 5/16	5
DS-36	1 1/8	3 5/16	1 1/2	6 13/16

DSH-6 (Bar Handle for DS Sockets)

\* Special 6-Pt. thin nose—For new engines—Not replaceable.



\*14MM SPARK PLUG HOLDING SOCKET

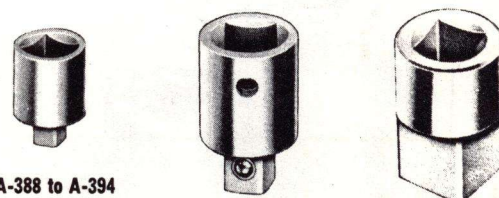
Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
*SPS-26	1 3/16	2 1/2	1 1/16	2 3/4

\* Has Rubber insert and 3/4" Hex Drive.

## SOCKET ADAPTORS

Part Number	Drive Size		O.A. Length	Wt. Lbs. 10 Pcs.
	Female	Male		
† A-388	1/4	to 3/8	1 9/16	3/8
† A-389	3/8	to 1/4	1	5/8
† A-390	1/2	to 3/8	1 2 7/16	1 3/8
† A-391	3/8	to 1/2	1 3 1/4	1 1/8
† A-393	3/4	to 1/2	1 6 1/4	4
† A-394	1/2	to 3/4	1 5/8	2 1/4

## SOCKET ADAPTORS



A-388 to A-394

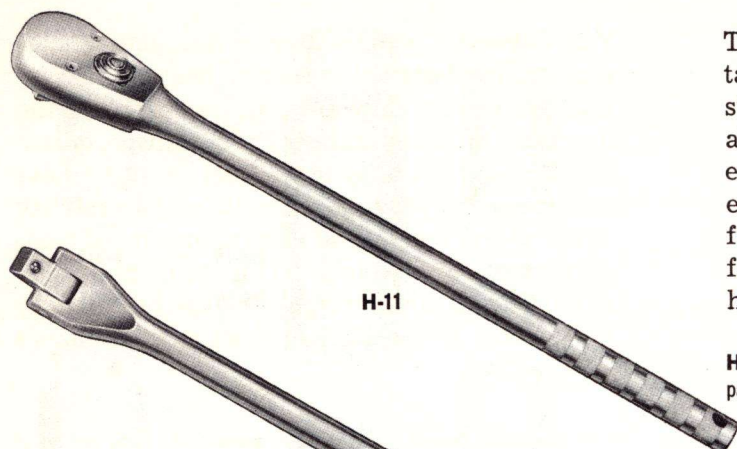
These adaptors permit the use of sockets of one series with the handles of another drive series. Care should be taken not to overload when using large drive handles on small drive sockets.

† Because overloading is possible we cannot guarantee these items against breakage.

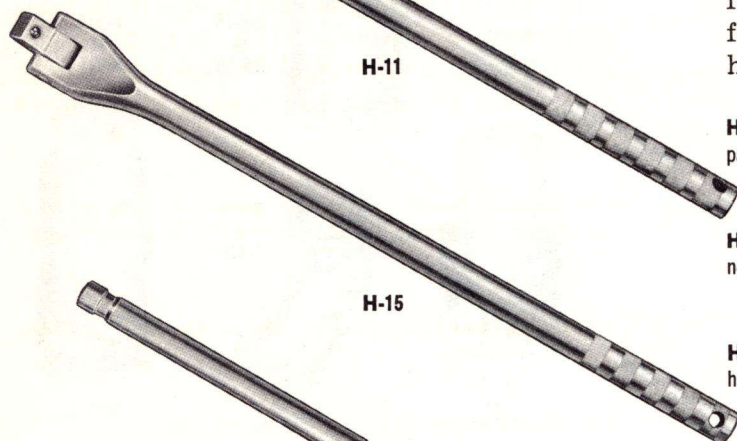
**Herbrand Tools**



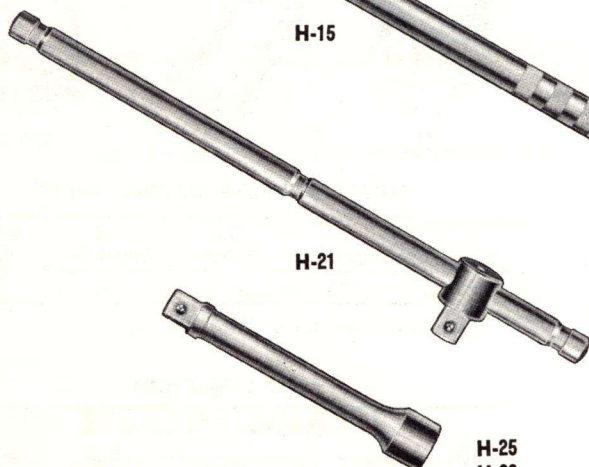
**3/4" SQUARE DRIVE "H" SERIES  
HEAVY DUTY ATTACHMENTS AND SOCKETS**



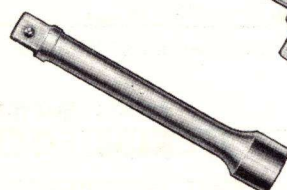
H-11



H-15



H-21



H-25  
H-29  
H-31

These VAN-CHROME sockets, handles, and attachments are outstanding for the rugged strength built into their trim design and unusually light weight. Specially selected alloy steels, expertly forged and broached by men of long experience and carefully heat treated in modern furnaces, provide the "lugging power" necessary for the toughest jobs. Heavy chrome plate with heads and ends polished.

**H-11 Reversible Ratchet.** Exclusive push-button reverse. Direct contact pawl action, 30 teeth for maximum utility. 22" long; weight each 5 $\frac{3}{8}$  lbs.

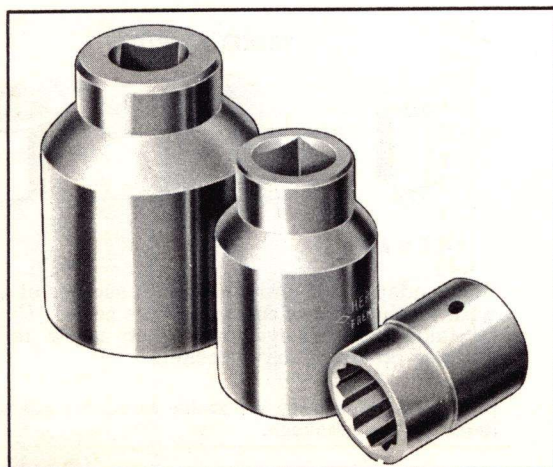
**H-15 Flexible Offset Handle.** 20 $\frac{1}{2}$ " long; head width 1 $\frac{3}{4}$ " ; head thickness 1" ; weight each 4 $\frac{3}{8}$  lbs.

**H-21 Sliding T Handle.** Positive stops flush to end of handle. 18" long; head length 2 $\frac{1}{8}$ " ; weight each 2 $\frac{5}{8}$  lbs.

**H-25 Extension.** 4" long; weight each 1 $\frac{1}{8}$  lb.

**H-29 Extension.** 8" long; weight each 1 $\frac{3}{8}$  lbs.

**H-31 Extension.** 16" long; weight each 2 $\frac{3}{8}$  lbs.

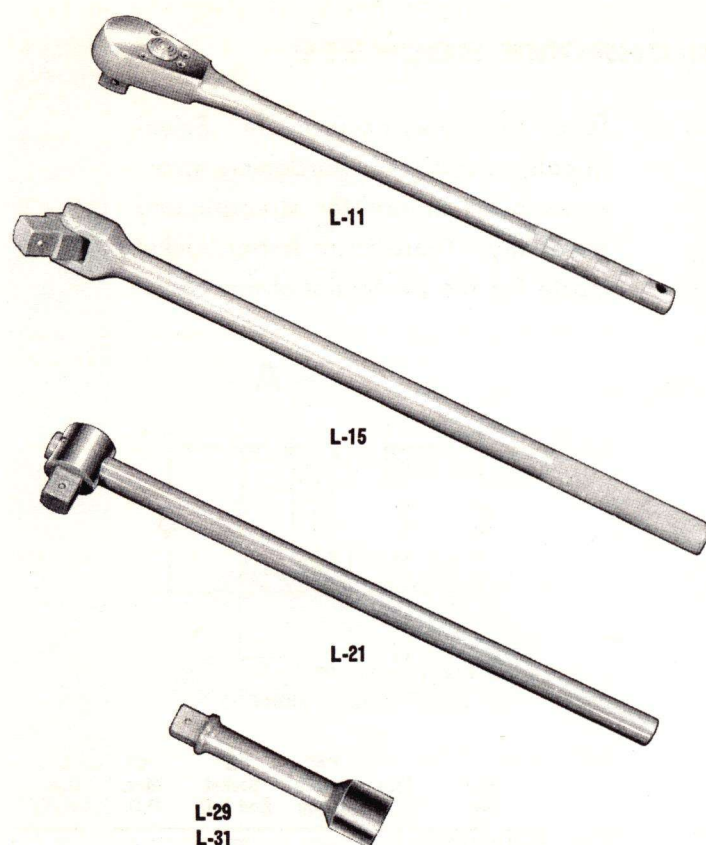


**12-POINT SOCKETS—THIN STRAIGHT WALL**

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
H-128	$\frac{7}{8}$	2	1.275	4 $\frac{1}{2}$
H-130	1 $\frac{1}{16}$	2	1 $\frac{3}{8}$	4 $\frac{1}{4}$
H-132	1	2	1 $\frac{7}{16}$	4 $\frac{3}{4}$
H-134	1 $\frac{1}{16}$	2 $\frac{1}{8}$	1 $\frac{1}{2}$	5
H-136	1 $\frac{1}{8}$	2 $\frac{7}{32}$	1 $\frac{9}{16}$	5 $\frac{3}{8}$
H-138A	1 $\frac{3}{16}$	2 $\frac{1}{4}$	1 $\frac{11}{16}$	6 $\frac{1}{4}$
H-140	1 $\frac{1}{4}$	2 $\frac{5}{16}$	1 $\frac{3}{4}$	6 $\frac{5}{8}$
H-142	1 $\frac{3}{16}$	2 $\frac{13}{32}$	1 $\frac{13}{16}$	7 $\frac{3}{8}$
H-144	1 $\frac{3}{8}$	2 $\frac{1}{2}$	1 $\frac{3}{8}$	8 $\frac{3}{16}$
H-146	1 $\frac{7}{16}$	2 $\frac{9}{16}$	2	9 $\frac{1}{16}$
H-148	1 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{1}{16}$	10 $\frac{1}{4}$
H-152	1 $\frac{5}{8}$	2 $\frac{3}{4}$	2 $\frac{1}{4}$	13 $\frac{3}{8}$
H-156	1 $\frac{3}{4}$	2 $\frac{7}{8}$	2 $\frac{3}{8}$	14 $\frac{3}{4}$
H-158	1 $\frac{13}{16}$	2 $\frac{31}{32}$	2 $\frac{15}{32}$	14 $\frac{1}{16}$
H-160	1 $\frac{7}{8}$	3 $\frac{1}{16}$	2 $\frac{9}{16}$	16 $\frac{1}{8}$
H-164	2	3 $\frac{5}{16}$	2 $\frac{23}{32}$	19 $\frac{1}{16}$
H-166	2 $\frac{1}{16}$	3 $\frac{1}{8}$	2 $\frac{13}{16}$	28 $\frac{3}{8}$
H-168	2 $\frac{1}{8}$	3 $\frac{3}{16}$	2 $\frac{15}{16}$	30
H-170	2 $\frac{3}{16}$	3 $\frac{1}{16}$	3	32 $\frac{1}{2}$
H-172	2 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{16}$	36 $\frac{1}{4}$



# 1" SQUARE DRIVE "L" SERIES HEAVY DUTY SOCKETS, HANDLES AND ATTACHMENTS



Van-Chrome 1" square drive series, handles and sockets, are designed to service heavy construction equipment, shipyard requirements and the machines of heavy industry and transportation. Hot forged high alloy steel, plus scientific heat treatment, to provide strength and durability while at the same time eliminating totally unnecessary dead weight. This combination of strength and light weight in this heavy duty tool makes it the choice of expert mechanics everywhere.

**L-11 Reversible Ratchet.** 30-tooth action permits 12° swing for use in limited space. Exclusive push button reverse. 22" long; weight each—5½ lbs.

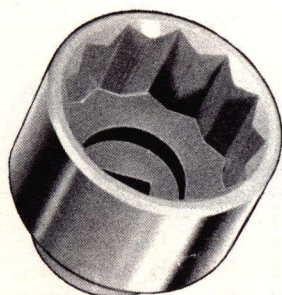
**L-15 Flexible Offset Handle.** Heavily knurled non-slip handle, 24½" long, weight each—8¼ lbs.

**L-21 Sliding T Handle.** 23" long; weight each—6½ lbs.

**L-29 Extension.** 8" long; weight each—2¾ lbs.

**L-31 Extension.** 17" long; weight each—4¾ lbs.

Herbrand's 1" drive series is built to provide the durability, power and brute strength required for really tough man-sized jobs. Scientifically forged and heat-treated high alloy steel components make this series indispensable on big, heavy duty work. Triple plated, chrome finish.



L-46  
to  
L-100

## 1" DRIVE SOCKETS

### 12 POINT, COUNTERSUNK OPENINGS

Number	Opening	O.A. Length	O.D. Socket End	Wt. Ea. Lbs.
L-46	1⅞	2½	2	⅞
L-48	1½	2⅞	2⅞	1⅞
L-52	1⅝	2⅞	2¼	1¼
L-54	1⅞	2⅞	2⅞	1⅞
L-56	1¾	2⅞	2½	1¾
L-58	1⅞	2	2⅞	1¾
L-60	1⅞	2⅞	2⅞	2⅞
L-64	2	3⅞	2¾	2⅞
L-68	2⅞	3⅞	2⅞	2⅞
L-70	2⅞	3⅞	3	2¾
L-72	2¼	3⅞	3	2⅞
L-74	2⅞	3⅞	3⅞	2⅞
L-76	2⅞	3⅞	3⅞	3¼
L-78	2⅞	3⅞	3⅞	3⅞
L-80	2½	3⅞	3⅞	3⅞
L-82	2⅞	3⅞	3⅞	3¼
L-84	2⅞	3⅞	3⅞	3½
L-88	2¾	3⅞	3¼	4⅞
L-94	2⅞	3¼	3⅞	5⅞
L-96	3	3¼	4⅞	5½
L-100	3⅞	3⅞	4¼	6½

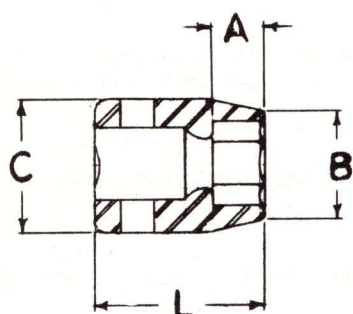


# HERBRAND POWER IMPACT SOCKETS

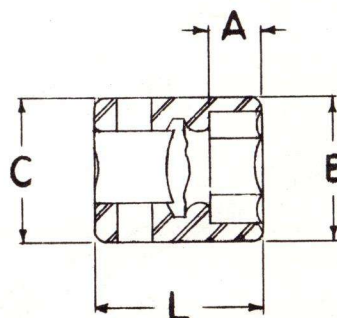
## HERBRAND VAN-CHROME SOCKETS

All HERBRAND sockets are made to exact engineering formulas developed from long experience in the manufacture of tools. Special analysis alloy steels—hot broached teeth provide strong sharply defined sur-

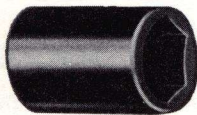


faces for close, accurate fit. Scientifically controlled hardening processes build in greater strength and durability. There is no better socket made for the professional mechanic.



TAPERED SOCKET



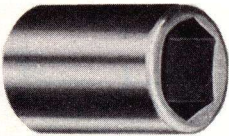
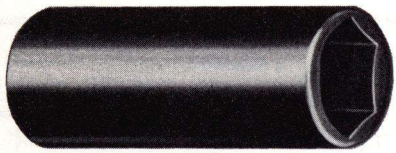
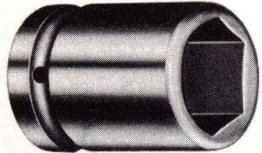
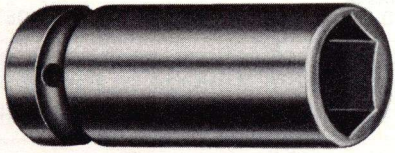
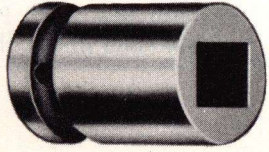
STRAIGHT SOCKET

		Part No.	Size	"A" Broach Depth	"B" Socket End O.D.	"C" Max. O.D.	"L" O.A. Length
<b>3/8"</b>		REGULAR LENGTH					
		Federal Spec. GGG-W-660 Type I, Class I, Style A.					
		* PJ-612	3/8	9/32	35/64	11/16	7/8
		* PJ-614	7/16	9/32	41/64	11/16	7/8
		PJ-616	1/2	9/32	3/4	3/4	7/8
		PJ-618	9/16	9/32	51/64	51/64	7/8
		PJ-620	5/8	9/32	7/8	7/8	7/8
<b>1 1/2"</b>		REGULAR LENGTH					
		Federal Spec. GGG-W-660 Type I, Class I, Style A.					
		* PS-612	3/8	5/16	39/64	7/8	1 1/2
		* PS-614	7/16	11/32	11/16	7/8	1 1/2
		* PS-616	1/2	3/8	49/64	13/16	1 1/2
		* PS-618	9/16	7/16	55/64	15/16	1 1/2
		* PS-620	5/8	1/2	15/16	1	1 1/2
		PS-622	11/16	9/16	1 1/4	1 1/4	1 1/2
		PS-624	3/4	19/32	1 7/64	1 7/64	1 1/2
		PS-626	13/16	19/32	1 3/16	1 3/16	1 1/2
		PS-628	7/8	21/32	1 7/64	1 7/64	1 1/2
		PS-630	15/16	3/4	1 3/8	1 3/8	1 3/4
		PS-632	1	3/4	1 7/16	1 7/16	1 3/4
		PS-634	1 1/16	7/8	1 33/64	1 33/64	2
		PS-636	1 1/8	7/8	1 39/64	1 39/64	2
		PS-638	1 3/16	7/8	1 11/16	1 11/16	2
		PS-640	1 1/4	15/16	1 49/64	1 49/64	2
<b>1 1/2"</b>		DEEP LENGTH					
		Federal Spec. GGG-W-640 Type I, Class I, Style B.					
		* PSD-612	3/8	5/16	39/64	7/8	3 1/4
		* PSD-614	7/16	11/32	11/16	7/8	3 1/4
		* PSD-616	1/2	3/8	49/64	13/16	3 1/4
		* PSD-618	9/16	7/16	55/64	15/16	3 1/4
		* PSD-620	5/8	1/2	15/16	1	3 1/4
		PSD-622	11/16	9/16	1 1/4	1 1/4	3 1/4
		PSD-624	3/4	19/32	1 7/64	1 7/64	3 1/4
		PSD-626	13/16	19/32	1 3/16	1 3/16	3 1/4
		PSD-628	7/8	21/32	1 7/64	1 7/64	3 1/2
		PSD-630	15/16	3/4	1 3/8	1 3/8	3 1/2
		PSD-632	1	3/4	1 7/16	1 7/16	3 1/2

\*DENOTES TAPERED SOCKETS



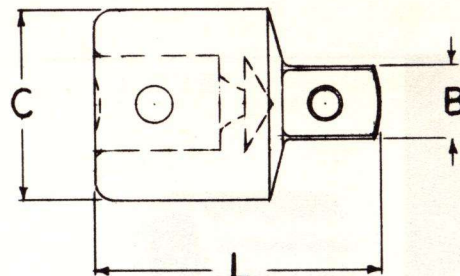
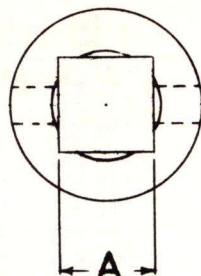
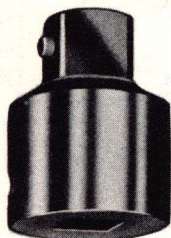
# HERBRAND POWER IMPACT SOCKETS

		Part No.	Size	"A" Broach Depth	"B" Socket End O.D.	"C" Max. O.D.	"L" O.A. Length
<b>5 7/8"</b>		REGULAR LENGTH					
		Federal Spec. GGG-W-640 Type I, Class I, Style A.					
		* PE-616	1/2	3/8	55/64	1 1/4	1 1/2
		* PE-618	9/16	7/16	59/64	1 1/4	1 1/2
		* PE-620	5/8	1/2	63/64	1 1/4	1 1/2
		* PE-622	11/16	9/16	13/32	1 1/4	1 3/4
		* PE-624	3/4	19/32	13/16	1 1/4	1 3/4
		PE-626	13/16	39/64	1 1/4	1 1/4	1 3/4
		PE-628	7/8	21/32	15/16	15/16	1 3/4
		PE-630	15/16	3/4	113/32	113/32	2
		PE-632	1	3/4	1 1/2	1 1/2	2
		PE-634	1 1/16	7/8	19/16	19/16	2
		PE-636	1 1/8	7/8	111/16	111/16	2
		PE-638	13/16	7/8	13/4	13/4	2
		PE-640	1 1/4	15/16	113/16	113/16	2 1/8
<b>5 7/8"</b>		DEEP LENGTH					
		Federal Spec. GGG-W-640 Type I, Class I, Style B.					
		* PED-618	9/16	7/16	59/64	1 1/4	3 1/2
		* PED-620	5/8	1/2	63/64	1 1/4	3 1/2
		* PED-622	11/16	9/16	13/32	1 1/4	3 1/2
		* PED-624	3/4	19/32	13/16	1 1/4	3 1/2
		PED-626	13/16	39/64	1 1/4	1 1/4	3 1/2
		PED-628	7/8	21/32	15/16	15/16	3 1/2
		PED-630	15/16	3/4	113/32	113/32	3 1/2
		PED-632	1	3/4	1 1/2	1 1/2	3 1/2
		PED-634	1 1/16	7/8	19/16	19/16	3 1/2
		PED-636	1 1/8	7/8	111/16	111/16	3 1/2
		PED-638	13/16	7/8	13/4	13/4	3 1/2
		PED-640	1 1/4	15/16	113/16	113/16	3 1/2
		PED-642	15/16	1	115/16	115/16	3 1/2
		PED-644	1 3/8	1 1/32	2	2	3 1/2
<b>3 3/4"</b>		REGULAR LENGTH					
		Federal Spec. GGG-W-640 Type I, Class I, Style A.					
		* IH-624	3/4	19/32	1 1/4	15/8	2 1/4
		* IH-626	13/16	39/64	13/8	15/8	2 1/4
		* IH-628	7/8	21/32	1 1/2	15/8	2 1/4
		* IH-630	15/16	3/4	19/16	15/8	2 3/8
		IH-632	1	3/4	15/8	15/8	2 3/8
		IH-634	1 1/16	7/8	111/16	111/16	2 1/2
		IH-636	1 1/8	7/8	13/4	13/4	2 1/2
		IH-638	13/16	7/8	1 7/8	1 7/8	2 1/2
		IH-640	1 1/4	15/16	2	2	2 5/8
		IH-642	15/16	1	2 1/16	2 1/16	2 5/8
		IH-644	1 3/8	1 1/32	2 1/8	2 1/8	2 3/4
		IH-646	1 7/16	1 1/16	2 1/4	2 1/4	2 3/4
		IH-648	1 1/2	1 1/8	2 5/16	2 5/16	2 3/4
<b>3 3/4"</b>		DEEP LENGTH					
		Federal Spec. GGG-W-640 Type I, Class I, Style B.					
		* IHD-624	3/4	19/32	1 1/4	15/8	3 1/2
		* IHD-626	13/16	39/64	13/8	15/8	3 1/2
		* IHD-628	7/8	21/32	1 1/2	15/8	3 1/2
		* IHD-630	15/16	3/4	19/16	15/8	3 1/2
		IHD-632	1	3/4	15/8	15/8	3 1/2
		IHD-634	1 1/16	7/8	111/16	111/16	3 1/2
		IHD-636	1 1/8	7/8	13/4	13/4	3 1/2
		IHD-638	13/16	7/8	1 7/8	1 7/8	3 1/2
		IHD-640	1 1/4	15/16	2	2	3 3/4
		IHD-648	1 1/2	1 1/8	2 5/16	2 5/16	3 3/4
<b>3 3/4"</b>		BUDD WHEEL SOCKET REGULAR LENGTH					
		Federal Spec. GGG-W-640 Type II, Class III, Style A.					
		IH-426	13/16	9/16	15/8	15/8	2 1/4

\*DENOTES TAPERED SOCKETS



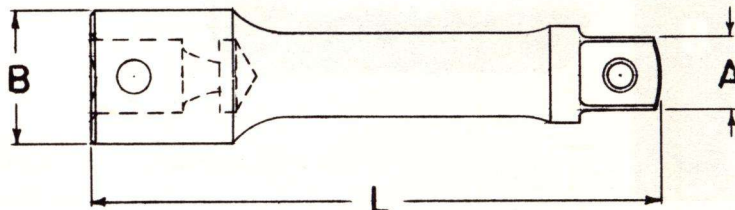
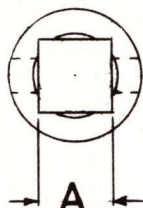
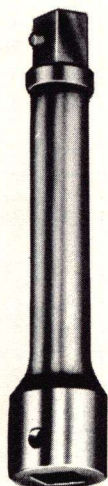
ADAPTERS



Part No.	"A" Female Drive	"B" Male Drive	"C" Max. O.D.	"L" O.A. Length
PA-1216	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{2}$
PA-1612	$\frac{1}{2}$	$\frac{3}{8}$	1	$1\frac{1}{2}$
PA-2016	$\frac{5}{8}$	$\frac{1}{2}$	$1\frac{1}{8}$	$1\frac{1}{8}$
PA-2416	$\frac{3}{4}$	$\frac{1}{2}$	$1\frac{5}{8}$	$2\frac{5}{32}$

Federal Spec. GGG-W-640 Type III.

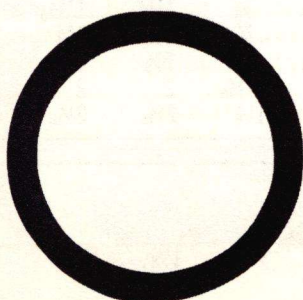
EXTENSIONS



Part No.	"A" Square Drive	"B" Max. O.D.	"L" O.A. Length
PJ-3	$\frac{3}{8}$	$1\frac{1}{16}$	3
PJ-6	$\frac{3}{8}$	$1\frac{1}{16}$	6
PS-5	$\frac{1}{2}$	$1\frac{1}{16}$	5
PS-10	$\frac{1}{2}$	$1\frac{1}{16}$	10
IH-4	$\frac{3}{4}$	$1\frac{3}{8}$	$3\frac{1}{2}$
IH-10	$\frac{3}{4}$	$1\frac{5}{8}$	10

Federal Spec. GGG-W-640 Type II.

PINS AND "O" RINGS

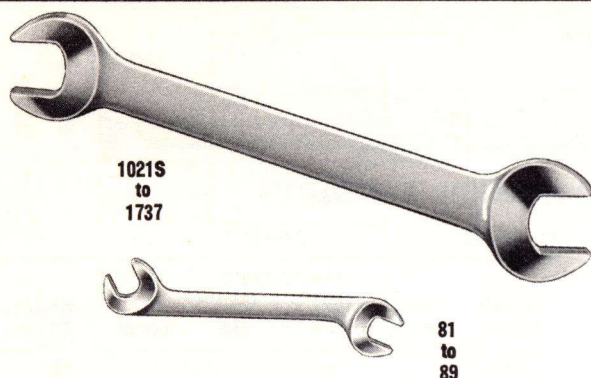


Part No.	Outside Dia.	Length	Used On
IHP-1044	$\frac{3}{16}$	$1\frac{3}{8}$	{ IH-624 THRU IH-642, IHD-624 THRU IHD-640, IH-4, IH-10, PA-2416 IH-644 THRU IH-648, IHD-648
IHP-1060	$\frac{3}{16}$	$1\frac{7}{8}$	

Part No.	Inside Dia.	Section Dia.	Used On
IHO-1148	$1\frac{1}{2}$	$\frac{3}{16}$	{ IH-624 THRU IH-642, IHD-624 THRU IHD-640, IH-4, IH-10, PA-2416 IH-644 THRU IH-648, IHD-648
IHO-1164	2	$\frac{3}{16}$	



# **'VAN-CHROME' OPEN END WRENCHES** **MIDGET, OBSTRUCTO, ENGINEER AND TAPPET**

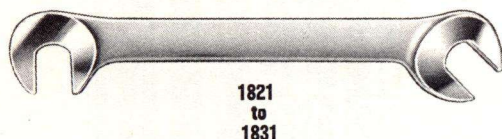


## **MIDGET OPEN END WRENCHES**

"Van-Chrome" midget wrenches make easy those small tricky jobs found in ignition systems, radio, carburetor, etc. Drop forged from selected alloy steel, each head is set at a different angle assuring accessibility under all conditions. Chrome plated and polished.

Wrench Number	Size Openings		Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
	15° Angle	60° Angle			
*80					
81	1 <sup>3</sup> / <sub>64</sub>	1 <sup>5</sup> / <sub>64</sub>	7 <sup>64</sup> / <sub>64</sub>	3	1 <sup>1</sup> / <sub>4</sub>
82	1 <sup>5</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>64</sub>	7 <sup>64</sup> / <sub>64</sub>	3	1 <sup>1</sup> / <sub>4</sub>
83	7 <sup>32</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>4</sub>	7 <sup>64</sup> / <sub>64</sub>	3	1 <sup>1</sup> / <sub>4</sub>
84	1 <sup>1</sup> / <sub>4</sub>	7 <sup>32</sup> / <sub>32</sub>	7 <sup>64</sup> / <sub>64</sub>	3	1 <sup>1</sup> / <sub>4</sub>
85	9 <sup>32</sup> / <sub>32</sub>	5 <sup>16</sup> / <sub>16</sub>	1 <sup>8</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	3 <sup>8</sup> / <sub>8</sub>
86	5 <sup>16</sup> / <sub>16</sub>	9 <sup>32</sup> / <sub>32</sub>	1 <sup>8</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	3 <sup>8</sup> / <sub>8</sub>
87	11 <sup>32</sup> / <sub>32</sub>	3 <sup>8</sup> / <sub>8</sub>	9 <sup>64</sup> / <sub>64</sub>	4	1 <sup>1</sup> / <sub>2</sub>
88	3 <sup>8</sup> / <sub>8</sub>	11 <sup>32</sup> / <sub>32</sub>	9 <sup>64</sup> / <sub>64</sub>	4	1 <sup>1</sup> / <sub>2</sub>
89	7 <sup>16</sup> / <sub>16</sub>	1 <sup>2</sup> / <sub>2</sub>	1 <sup>164</sup> / <sub>64</sub>	4 <sup>1</sup> / <sub>2</sub>	7 <sup>8</sup> / <sub>8</sub>

\* Delco-Remy Distributor Wrench. 1/4" openings at 7° and 82°, 3 1/16" long, head .098" thick; weight per 10—1/4 lb. (Seats firmly on head of terminal screw regardless of head position inside distributor housing.)



## **OBSTRUCTO WRENCHES** **(45° and 90° Heads)**

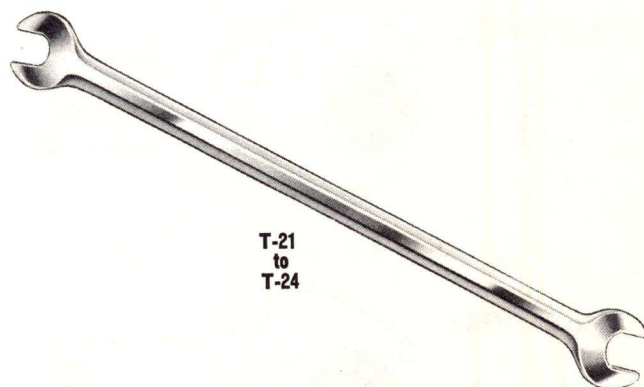
Thin heads, perfect angles for fast turning of hard to reach bolts. Chrome plated alloy steel. Heads polished.

Wrench Number	Openings	Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
1821	3/8	1 <sup>1</sup> / <sub>64</sub>	5 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>16</sub>
1823	7/16	1 <sup>1</sup> / <sub>64</sub>	5 <sup>1</sup> / <sub>2</sub>	7/8
1825	1/2	1 <sup>3</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>
1827	9/16	1 <sup>3</sup> / <sub>64</sub>	6 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>
1829	5/8	1 <sup>5</sup> / <sub>64</sub>	7 <sup>1</sup> / <sub>2</sub>	2 <sup>7</sup> / <sub>16</sub>
1831	3/4	1 <sup>5</sup> / <sub>64</sub>	7 <sup>1</sup> / <sub>2</sub>	2 <sup>13</sup> / <sub>16</sub>

## **ENGINEER WRENCHES** **(15° Angle Heads)**

Forged from finest alloy steels. Narrow heads and pointed jaws for maximum clearance. Accurately machined openings. Chrome plated, heads polished.

Wrench Number	Nominal Openings	Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
1021S	1/4 & 5/16	5/32	3 1/2	7/16
1721	5/16 & 3/8	3/16	4 1/2	9/16
1723	3/8 & 7/16	7/32	5	1
1725	7/16 & 1/2	7/32	5 3/4	1 3/16
1725B	1/2 & 9/16	1 5/64	6 1/4	1 11/16
1727	9/16 & 5/8	1 7/64	6 3/4	2 1/8
1027	1 1/32 & 1 1/16	9/32	7 1/2	2 3/4
1027B	5/8 & 1 1/16	9/32	7 1/2	2 3/4
1729	5/8 & 3/4	1 1/64	7 3/4	3 3/16
1731	3/4 & 13/16	1 1/32	9	4 9/16
1731A	3/4 & 7/8	1 1/32	9	4 9/16
1033A	7/8 & 1 5/16	3/8	10 1/4	7 1/4
1733	7/8 & 1	3/8	10 1/4	6 7/8
1033C	1 5/16 & 1	1 1/32	11	8 3/8
1034A	1 5/16 & 1 1/16	1 1/32	11	8 9/16
1735	1 & 1 1/8	1 1/32	12 1/2	12 5/8
1037	1 1/16 & 1 1/4	1 1/32	12 1/2	12 5/8
1737	1 1/8 & 1 1/4	1/2	12 3/4	15 1/4



## **MASTER TAPPET WRENCHES** **(15° Angle Heads)**

"Master" tappet wrenches are feather-light and exceptionally strong. Modern, balanced design for speedy, accurate tappet adjustments. Ultra thin, narrow heads operate easily in close quarters. Long, rapier like handles permit one hand use of two wrenches. Selected alloy steel, drop forged and carefully hardened, especially for tappet work. Chrome plated and polished.

Wrench Number	Size Openings	Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
T-21	7/16 & 1/2	5/32	9 1/2	1 1/2
T-22	1/2 & 9/16	1 1/64	9 1/2	1 15/16
T-23	5/8 & 1 1/16	3/16	9 1/2	2 1/2
T-24	3/4 & 7/8	1 3/64	9 1/2	3 1/16



# NEW "HEX-FIT" LONG "L" SERIES COMBINATION WRENCHES WITH HEX STYLE OPEN END—6 & 12 POINT BOX

"HEX-FIT"



FITS THE HEX AS AN END WRENCH SHOULD!

The "HEX-FIT" "L" series is a completely new combination wrench offering the mechanic the ultimate in tool performance.

Several important features of the Herbrand "HEX-FIT" series include the new longer length which, combined with the remarkable thin, yet strong body design provides excellent leverage and perfect balance. The modern designed trim style box end is forged from the center line on a 15 degree angle! NOT bent after forging like ordinary wrenches!

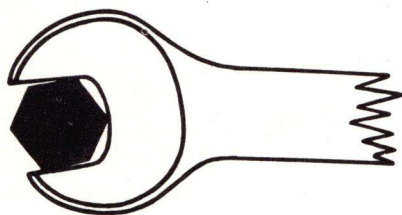
Precision milled open ends and broached box ends are sharp, clean and very accurate for perfect gripping of all nuts and bolts.

Open end heads are narrow shaped and thin to allow access where clearance is a problem due to obstruction or limited openings.

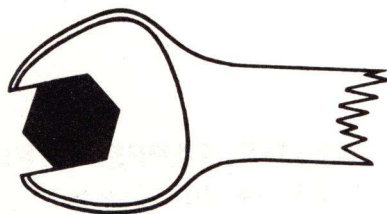
Adaptable to all repair and maintenance work the "HEX-FIT" "L" series will offer long service to the mechanic and repair man who desires the finest in combination wrenches.

Drop forged from strong alloy steel the "L" series is skillfully hand polished to a jewel rich finish—truly the very best in wrench design.

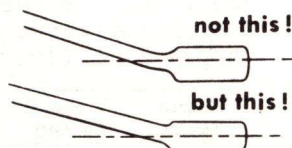
NOT THIS!



BUT THIS!



Box end is forged on a 15° angle from the center line for maximum clearance not bent after forging like ordinary wrenches.



## 6-POINT

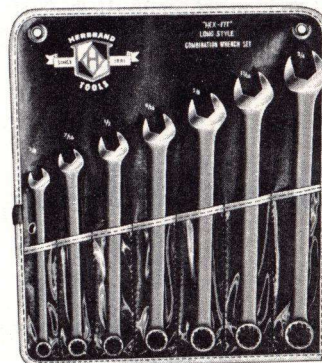
Wrench Number	Size Opening	Head Diameter		O. A. Length	Wt. Lbs. 10 Pcs.
		Box End	Open End		
1212LH	3/8	1 1/32	5 1/64	6 5/8	1 lb.
1214LH	7/16	4 3/64	1 5/16	7 1/4	1 lb. 9 oz.
1216LH	1/2	3/4	1 1/16	7 23/32	1 lb. 14 oz.
1218LH	9/16	2 7/32	1 3/16	8 11/32	2 lb. 6 oz.
1220LH	5/8	1 5/16	1 5/16	9	2 lb. 13 oz.
1222LH	1 1/16	1	1 7/16	9 23/32	3 lb. 7 oz.
1224LH	3/4	1 3/32	1 9/16	10 15/32	4 lb.

## 12-POINT

1212L	3/8	1 1/32	5 1/64	6 5/8	1 lb.
1214L	7/16	4 3/64	1 5/16	7 1/4	1 lb. 9 oz.
1216L	1/2	3/4	1 1/16	7 23/32	1 lb. 14 oz.
1218L	9/16	2 7/32	1 3/16	8 11/32	2 lb. 6 oz.
1220L	5/8	1 5/16	1 5/16	9	2 lb. 13 oz.
1222L	1 1/16	1	1 7/16	9 23/32	3 lb. 7 oz.
1224L	3/4	1 3/32	1 9/16	10 15/32	4 lb.
1226L	13/16	1 3/16	1 11/16	11 5/16	6 lb.
1228L	7/8	1 5/8	1 13/16	12 3/16	7 lb. 8 oz.
1230L	1 1/8	1 3/8	1 15/16	13 1/16	8 lb. 12 oz.
1232L	1	1 11/32	2 1/16	13 13/16	12 lb.
1234L	1 1/16	1 1/16	2 3/16	14 27/32	14 lb.
1236L	1 1/8	1 21/32	2 5/16	15 29/32	17 lb. 8 oz.
1240L	1 1/4	1 27/32	2 7/16	16 1/2	20 lb. 8 oz.

## EXTRA LONG

1242N	1 3/16	1 13/16	2 7/16	18	20 1/2
1246N	1 7/16	2 3/32	3	21	35



## "HEX-FIT" 7 PIECE COMBINATION WRENCH SET 6 POINT OPENING Set No. 1291LR

Includes one each 1212LH (3/8"), 1214LH (7/16"), 1216LH (1/2"), 1218LH (9/16"), 1220LH (5/8"), 1222LH (1 1/16") and 1224LH (3/4"). Wrenches are contained in a sturdy vinyl roll.

Set No. 1291LB (same set in fiber box only).

## "HEX-FIT" 7 PIECE COMBINATION WRENCH SET 12 POINT OPENING Set No. 1292LR

Includes one each 1212L (3/8"), 1214L (7/16"), 1216L (1/2"), 1218L (9/16"), 1220L (5/8"), 1222L (1 1/16"), and 1224L (3/4"). Wrenches are contained in a sturdy vinyl roll.

Set No. 1292LB (same set in fiber box only).

**Herbrand Tools**



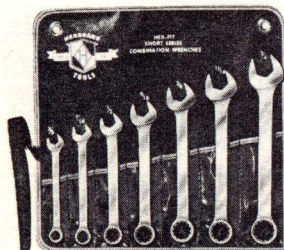
**NEW "HEX-FIT" SHORT "S" SERIES COMBINATION WRENCHES  
WITH HEX STYLE OPEN END—6 & 12 POINT BOX**



**FITS THE HEX AS AN END WRENCH SHOULD!**

Herbrand completes the "HEX-FIT" combination wrench family with these new short series wrenches. The Short length combination wrenches fit the hand for easy entry into those hard-to-reach places where longer wrenches cannot be used.

Designed with the same head shape and rapier-thin handles as the long series, the short wrenches handle a multitude of jobs where time and speed are important. Herbrand "HEX-FIT" short series combination wrenches are forged from the center line on a 15° angle, with precision milled open ends and clean broached box ends. All short series wrenches are made of strong alloy steel and fully polished.



**3 SEVEN-PIECE SETS 3/8" to 3/4"**  
1283SR: 6-point openings  
1284SR: 12-point openings  
1285SR: 4,6-point, 3,12-point openings

**SHORT SERIES**

**12-POINT**

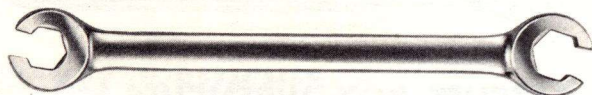
**HEAD DIAMETER**

Wrench	Size	Box	Open.	O.A.L.	Wt. Lbs. 10 Pcs.
1212S	3/8	39/64	13/16	4 11/16	3/4 lb.
1214S	7/16	43/64	29/32	5 3/16	1 lb.
1216S	1/2	3/4	1 1/32	5 11/16	1 1/3 lb.
1218S	9/16	27/32	1 5/32	6 7/32	1 7/8 lb.
1220S	5/8	15/16	1 9/32	6 27/32	2 1/3 lb.
1222S	11/16	1	1 13/32	7 15/32	2 3/4 lb.
1224S	3/4	1 3/32	1 17/32	8 1/8	3 1/3 lb.

**6-POINT**

Wrench	Size	Box	Open.	O.A.L.	Wt. Lbs. 10 Pcs.
1212SH	3/8	39/64	13/16	4 11/16	3/4 lb.
1214SH	7/16	43/64	29/32	5 3/16	1 lb.
1216SH	1/2	3/4	1 1/32	5 11/16	1 1/3 lb.
1218SH	9/16	27/32	1 5/32	6 7/32	1 7/8 lb.
1220SH	5/8	15/16	1 9/32	6 27/32	2 1/3 lb.
1222SH	11/16	1	1 13/32	7 15/32	2 3/4 lb.
1224SH	3/4	1 3/32	1 17/32	8 1/8	3 1/3 lb.

**All Tool Sets and Tool Rolls in Section 11**



1323 to 1327

**DOUBLE END FLARE NUT WRENCHES**

Designed for maximum utility and efficiency on tubes, wires or "soft fittings." Handle takes off mid-point of head for depth clearance—6 points for strength and non burr action. Openings are set at 15° angle for ease of entry around obstructions. Openings chamfered for quick locating on nut. Alloy steel, chrome plated, full polished.

Wrench Number	Size Openings	O.D. Head	O.A. Length	Weight Lbs. 10 Pcs.
1323	3/8 & 7/8	27/32 & 23/32	4 11/16	1 1/16
1325	1/2 & 9/16	7/8 & 15/16	6 5/16	1 1/2
1327	5/8 & 3/4	1 3/64 & 1 5/32	7 5/16	2 11/16



6823 to 6827

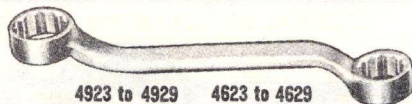
**MULTIFLEX BOX WRENCHES**

Flexible head action permits easy use in awkward positions impossible to handle with ordinary type wrenches. Chrome plated, heads polished.

Wrench Number	Openings	Head Diameters	O.A. Length	Wt. Lbs. 10 Pcs.
6823	3/8 & 7/16	9/16 & 5/8	7 5/8	2 5/8
6825	1/2 & 9/16	3/4 & 13/16	8 7/8	4 1/4
6827	5/8 & 3/4	7/8 & 1 1/16	9 7/16	6 5/8



**'VAN-CHROME' WRENCHES—SHORT ULTRA BOX, LONG ULTRA BOX, SPECIAL BOX, MIDGET BOX AND RATCHET BOX**



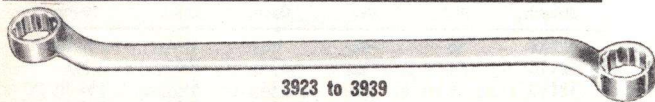
4923 to 4929 4623 to 4629

**SHORT ULTRA BOX WRENCHES**

**Double Offset Pattern—45° Angle**

Herbrand short box wrenches are of a new improved offset head design. Provide greater utility and clearance. Sharply defined teeth with openings countersunk for quick location on bolts. Available now in both 6-point and 12-point openings. Chrome plated, polished. Drop forged from special alloy steels.

Wrench Number 12 pt.	Wrench Number 6 pt.	Size Openings	O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
4923	4623	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{35}{64}$ & $\frac{5}{8}$	$4\frac{3}{4}$	$1\frac{1}{16}$
4925	4625	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{27}{32}$ & $\frac{13}{16}$	$5\frac{1}{2}$	$1\frac{3}{8}$
4929	4629	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{57}{64}$ & $1\frac{1}{16}$	$6\frac{5}{32}$	...



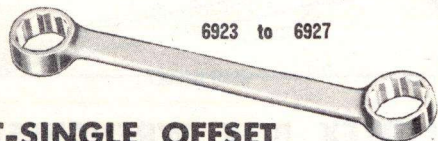
3923 to 3939

**DOUBLE OFFSET 12-Point Opening**

Exclusive center point take off of handles for maximum utility and clearance. Works like a socket on sunken bolts. Handle forged at two special clearance angles. Clears bolt heads yet will not tilt on hard pull. Openings chamfered to facilitate automatic engagement. Made from finest alloy steel. Chrome plated, heads polished.

45° Angle Wrench Number	Size Openings	LONG PATTERN O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
3923	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{37}{64}$ & $\frac{21}{32}$	$7\frac{1}{2}$	$1\frac{3}{16}$
3925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{3}{4}$ & $\frac{27}{32}$	$8\frac{1}{4}$	$2\frac{1}{16}$
3927	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{27}{32}$ & $\frac{59}{64}$	$9\frac{1}{4}$	$2\frac{9}{16}$
3929	$\frac{5}{8}$ & $1\frac{1}{16}$	$\frac{59}{64}$ & $1\frac{1}{32}$	$9\frac{3}{4}$	$3\frac{3}{8}$
3931	$\frac{3}{4}$ & $\frac{13}{16}$	$1\frac{1}{32}$ & $1\frac{1}{16}$	$12\frac{1}{2}$	5
3933	$\frac{7}{8}$ & $\frac{15}{16}$	$1\frac{1}{32}$ & $1\frac{3}{8}$	$13\frac{3}{16}$	$7\frac{11}{16}$
3934	$\frac{3}{4}$ & $\frac{15}{16}$	$1\frac{1}{32}$ & $1\frac{3}{8}$	$13\frac{3}{16}$	$7\frac{11}{16}$

45° Angle	Size Openings	EXTRA LONG O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
3935	$1$ & $1\frac{1}{16}$	$1\frac{3}{64}$ & $1\frac{5}{8}$	16	$13\frac{3}{4}$
3937	$1\frac{1}{8}$ & $1\frac{1}{4}$	$1\frac{1}{4}$ & $1\frac{29}{32}$	18	$25\frac{5}{16}$
3938	$1\frac{1}{16}$ & $1\frac{1}{8}$	$2\frac{13}{64}$ & $2\frac{1}{32}$	20	$34\frac{3}{16}$
3939	$1\frac{1}{16}$ & $1\frac{1}{2}$	$2\frac{13}{64}$ & $2\frac{1}{32}$	20	$32\frac{1}{2}$



6923 to 6927

**SHORT-SINGLE OFFSET**

**15° Angle Offset—12-Point Openings**

Forged from finest alloy steel. Extra thin walls on heads for maximum utility in cramped quarters. Chrome plated, heads polished.

Wrench Number	Size Openings	O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
6923	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{37}{64}$ & $\frac{21}{32}$	$4\frac{1}{4}$	$\frac{3}{4}$
6925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{3}{4}$ & $\frac{27}{32}$	5	$1\frac{1}{16}$
6927	$\frac{5}{8}$ & $1\frac{1}{16}$	$\frac{59}{64}$ & $1$	$5\frac{3}{4}$	$1\frac{3}{8}$

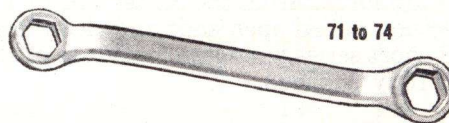


**LONG ULTRA BOX WRENCHES**

**Single Offset Pattern—15° Angle Head**

Forged from toughest alloy steel with extra thin wall 12-point openings. Slim handles with heads offset for maximum utility. No tilt action on hardest pull. Chrome plated, heads polished.

Wrench Number	Size Openings	O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
5923	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{37}{64}$ & $\frac{21}{32}$	$6\frac{1}{2}$	$1\frac{1}{8}$
5925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{27}{32}$ & $\frac{13}{16}$	$7\frac{1}{2}$	$1\frac{13}{16}$
5927	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{13}{16}$ & $\frac{57}{64}$	$8\frac{17}{32}$	$2\frac{3}{16}$
5929	$\frac{11}{16}$ & $\frac{3}{4}$	$\frac{59}{64}$ & $1\frac{1}{16}$	$9\frac{3}{4}$	$3\frac{3}{16}$
5931	$\frac{13}{16}$ & $\frac{7}{8}$	$1\frac{1}{32}$ & $1\frac{1}{4}$	11	$5\frac{3}{16}$

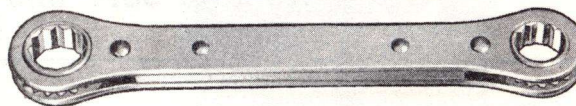


71 to 74

**MIDGET—6-Point Double Offset Heads**

Ideal for ignition, carburetor, television, refrigerator and all other small delicate work. Alloy steel, drop forged, accurately broached and tempered. Chrome plated, heads polished.

Wrench Number	Size Openings	O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
71	$\frac{3}{16}$ & $1\frac{3}{64}$	$\frac{17}{64}$ & $\frac{21}{64}$	$2\frac{1}{8}$	$\frac{1}{4}$
72	$\frac{7}{32}$ & $1\frac{13}{64}$	$\frac{11}{32}$ & $\frac{3}{8}$	$3\frac{1}{8}$	$\frac{1}{4}$
73	$\frac{1}{4}$ & $\frac{9}{32}$	$\frac{23}{64}$ & $\frac{27}{64}$	$3\frac{3}{8}$	$\frac{3}{8}$
74	$\frac{5}{16}$ & $1\frac{1}{32}$	$\frac{29}{64}$ & $\frac{31}{64}$	$3\frac{3}{4}$	$\frac{1}{2}$



**RATCHET BOX WRENCHES**

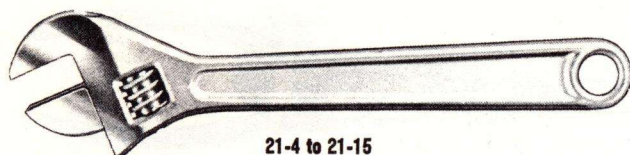
Invaluable on long studs as well as small confined areas where sockets cannot enter. Laminated construction for greater strength. Polished chrome finish.

Wrench Number	Size Openings	Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
*3821	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{3}{8}$	$5\frac{1}{2}$	$2\frac{3}{16}$
*3823	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$	$5\frac{1}{2}$	$2\frac{3}{16}$
*3825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	$6\frac{3}{4}$	$4\frac{3}{8}$
3827	$\frac{5}{8}$ & $1\frac{1}{16}$	$\frac{1}{2}$	8	$6\frac{3}{8}$
3828	$\frac{3}{4}$ & $\frac{3}{4}$	$\frac{1}{2}$	8	$6\frac{1}{2}$
3829	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	$9\frac{1}{4}$	$7\frac{1}{2}$

\* Single hex openings.

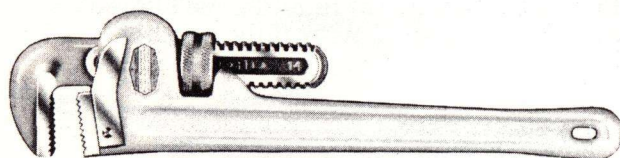


# 'VAN-CHROME' WRENCHES – ADJUSTABLES, PIPE, TORQUE TYPE AND HEX KEY



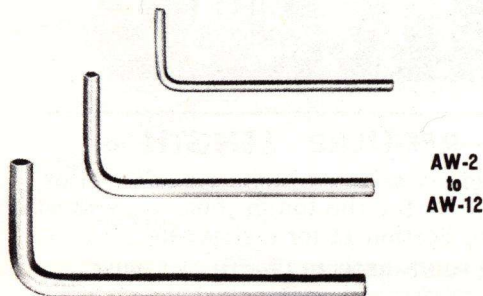
## 22 1/2° OFFSET

Extra thin tapered jaws permit use where ordinary adjustables will not fit. Full alloy steel forging with special hardening operations. Withstands most rigorous break test. No finer adjustables made. Chrome plated, heads polished.



PW-6 to PW-48

These wrenches are designed to handle the toughest jobs. All alloy construction with I-Beam open housing handles and drop forged replaceable jaws. Hold perfectly under hardest pull but release easily. Teeth deep full milled. Meet government specifications for heavy duty type wrenches.



## HEX KEY WRENCHES

Made of selected alloy steel carefully tempered and hardened to withstand the high torque required. Precision manufactured to assure accurate fit on Allen head screws. Parkerized black finish.

Wrench Number	Hex Size	Dimensions	Weight Per 10 Pcs.
AW-2	1/16	1 3/4 x 1 1/16	1/3 oz.
AW-2 1/2	5/64	1 7/8 x 1 1/16	2/3 oz.
AW-3	3/32	2 x 3/4	3/4 oz.
AW-4	1/8	2 1/4 x 7/8	2 oz.
AW-5	5/32	2 5/8 x 1	4 oz.
AW-6	3/16	2 3/4 x 1 1/8	5 oz.
AW-7	7/32	3 1/8 x 1 1/4	8 oz.
AW-8	1/4	3 1/2 x 1 1/2	12 oz.
AW-10	5/16	3 3/8 x 1 3/4	1 lb. 4 oz.
AW-12	3/8	4 1/4 x 1 3/4	2 lb.

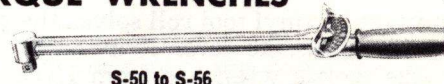
## OPEN END ADJUSTABLE WRENCH

Wrench Number	Capacity Inches	Head Thickness Jaw Tip	Back of Jaw	O.A. Length	Wt. Lbs. 10 Pcs.
21-4	1/2	1/8	5/16	4	1
21-6	3/4	3/16	3/8	6	2 1/16
21-8	1 1/16	1 5/16	1 1/32	8	4 3/4
21-10	1 1/8	9/32	7/16	10	8 3/4
21-12	1 3/16	1 1/32	1 1/16	12	14 1/16
21-15	1 3/4	1 1/32	1 1/32	15	29

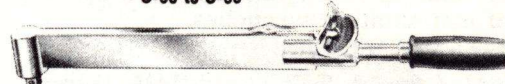
## SUPER STRENGTH PIPE WRENCHES

Straight Number	Jaw Capacity	Length	Wt. Lbs. Each
PW-6	3/4	6	1/2
PW-8	1	8	3/4
PW-10	1 1/2	10	1 1/4
PW-12	2	12	2 3/4
PW-14	2	14	3 1/2
PW-18	2 1/2	18	5 1/4
PW-24	3	24	8 3/4
PW-36	4 1/2	36	18 1/2
PW-48	6	48	33 1/2

## TORQUE WRENCHES



S-50 to S-56



FJ-25 to FH-300



FJS-25 to FHS-300

The most consistently accurate of all torque wrenches by actual test. Now available in three patterns! Two visual signal types. The "S" series "round beam" and "F" series "flat beam" plus the new deluxe three-way-signal "reflex action" model. The reflex series differs only in that it provides three methods of signalling the user when desired torque is reached by means of Touch, Sound and Sight.

## ROUND BEAM PATTERN

Wrench Number	Foot Lb. Capacity	Foot Lb. Graduations	Square Drive	O. A. Length	Approx. Wt. Lbs.
S-50	0-50	2 1/2	1/2	15 3/4	1 1/4
S-55	0-100	5	1/2	19 3/4	2
S-56	0-150	5	1/2	19 3/4	2

## FLAT BEAM PATTERN

Visual Signal Wrench Number	Reflex Signal Wrench Number	Foot Lbs. Capacity	*Foot Lbs. Graduations	Square Drive	O. A. Length	Approx. Wt. Lbs.
FJ-25	FJS-25	0-25	1	3/8	16	2 3/4
FS-50	FSS-50	0-50	2 1/2	1/2	16	2 3/4
FS-100	FSS-100	0-100	5	1/2	17 1/2	2 3/4
FS-150	FSS-150	0-150	5	1/2	20 3/4	3 3/4
FS-200	FSS-200	0-200	5	1/2	28 3/8	7 3/4
FH-300	FHS-300	0-300	10	3/4	34 3/4	10 3/4
	FHS-600	0-600	25	3/4	60	17

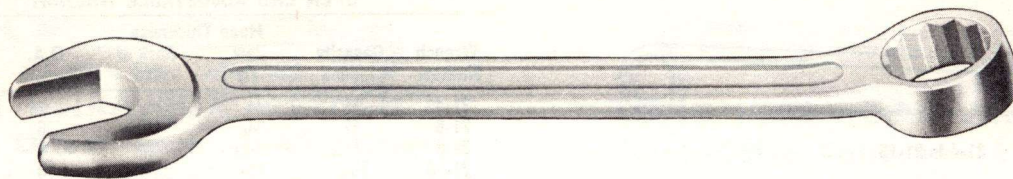
\* Inch pound graduations available on special orders.

**Herbrand Tools**



## HERBRAND METRIC WRENCHES & SOCKETS

### METRIC COMBINATION WRENCHES— $\frac{3}{8}$ " AND $\frac{1}{2}$ " METRIC SOCKETS



#### NEW COMBINATION BOX & OPEN END METRIC WRENCHES—6 & 12 Point

These new Metric size combination wrenches cover the most popular range of sizes necessary for servicing foreign cars. NEW THIN STYLE HEADS — PERFECT BALANCE. Open end  $22\frac{1}{2}^\circ$ , Box end  $15^\circ$ —made of finest forged alloy steel—chrome plated with fully polished heads.

Wrench Number	Size Openings	Head Diameter		O. A. Length	Type Opening	Wt. L bs. 10 P cs.
		Box End	Open End			
1209M	9MM	$\frac{19}{32}$	$\frac{57}{64}$	$4\frac{1}{2}$	6 Pt.	$\frac{5}{8}$
1210M	10MM	$\frac{21}{32}$	$\frac{29}{32}$	5	6 Pt.	$\frac{13}{16}$
1211M	11MM	$\frac{21}{32}$	$\frac{29}{32}$	5	6 Pt.	$\frac{13}{16}$
1212M	12MM	$\frac{25}{32}$	$1\frac{1}{16}$	$5\frac{1}{2}$	6 Pt.	$\frac{13}{16}$
1214M	14MM	$\frac{27}{32}$	$\frac{13}{16}$	6	12 Pt.	$\frac{13}{16}$
1217M	17MM	$1\frac{1}{32}$	$\frac{13}{8}$	7	12 Pt.	$\frac{2}{4}$
1219M	19MM	$1\frac{1}{8}$	$\frac{115}{32}$	$8\frac{1}{4}$	12 Pt.	$\frac{215}{16}$
1221M	21MM	$\frac{13}{16}$	$\frac{111}{16}$	$8\frac{3}{4}$	12 Pt.	$\frac{3}{4}$
1222M	22MM	$\frac{19}{32}$	$\frac{127}{32}$	$10\frac{1}{2}$	12 Pt.	$\frac{59}{16}$

#### 7-PIECE COMBINATION SET NO. 1290-MR METRIC WRENCHES

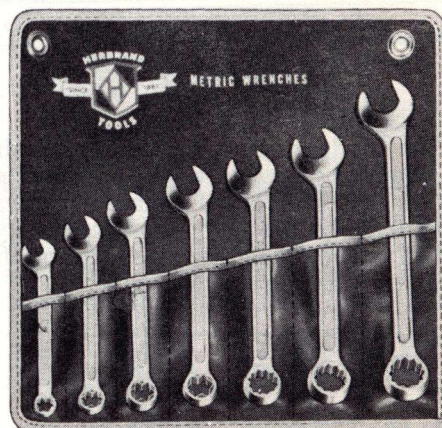
This handy set in vinyl tool roll solves the problem of servicing foreign make cars. It includes the 7 most popular size metric wrenches from Herbrand's new line of combination wrenches.

Set 1290-MR includes:

1209M ( 9mm) 6-Pt.	1214M (14mm) 12-Pt.
1210M (10mm) 6-Pt.	1217M (17mm) 12-Pt.
1211M (11mm) 6-Pt.	1219M (19mm) 12-Pt.
1212M (12mm) 6-Pt.	

Made from highest quality alloy steel—chrome plated with heads fully polished.

1290-MB (Above set of 7 wrenches in fiber box only)



#### METRIC SOCKETS $\frac{3}{8}$ " AND $\frac{1}{2}$ " DRIVE—REGULAR LENGTH

These metric  $\frac{3}{8}$ " and  $\frac{1}{2}$ " drive sockets are hot forged from specially selected highest quality alloy steels. New thin walled design with extra strength and durability for the tough jobs. Millimeter sizes cover the French, German and Italian cars. See Section 11 for metric sets.



JM-609  
to  
JM-619



SM-111  
to  
SM-132

#### JM-SERIES—6 POINT—REGULAR LENGTH— $\frac{3}{8}$ " DRIVE

Number	Opening	O. A. L.	O. D. Socket End	Weight Lbs. 10 Pieces
JM-609	9MM	$1\frac{1}{16}$	$\frac{17}{32}$	$\frac{9}{16}$
JM-610	10MM	$1\frac{1}{16}$	$\frac{39}{64}$	$\frac{5}{8}$
JM-611	11MM	$1\frac{1}{16}$	$\frac{39}{64}$	$\frac{5}{8}$
JM-612	12MM	$1\frac{1}{16}$	$\frac{11}{16}$	$\frac{3}{4}$
JM-614	14MM	$1\frac{1}{16}$	$\frac{23}{32}$	$\frac{3}{4}$
JM-617	17MM	$1\frac{1}{16}$	$\frac{15}{16}$	1
JM-619	19MM	$1\frac{1}{16}$	1	$1\frac{1}{8}$

#### SM-SERIES—12 POINT—REGULAR LENGTH— $\frac{1}{2}$ " DRIVE

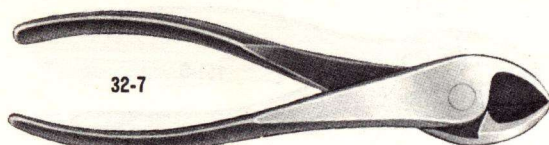
Number	Opening	O. A. L.	O. D. Socket End	Weight Lbs. 10 Pieces
SM-111	11MM	$1\frac{3}{8}$	$\frac{21}{32}$	1
SM-112	12MM	$1\frac{3}{8}$	$\frac{23}{32}$	$1\frac{1}{16}$
SM-113	13MM	$1\frac{3}{8}$	$\frac{23}{32}$	$1\frac{1}{16}$
SM-114	14MM	$1\frac{7}{16}$	$\frac{23}{32}$	$1\frac{1}{8}$
SM-115	15MM	$1\frac{7}{16}$	$\frac{59}{64}$	$1\frac{1}{8}$
SM-116	16MM	$1\frac{9}{16}$	$\frac{7}{8}$	$1\frac{1}{4}$
SM-117	17MM	$1\frac{1}{2}$	$\frac{13}{16}$	$1\frac{1}{2}$
SM-118	18MM	$1\frac{9}{16}$	$1\frac{1}{16}$	$1\frac{5}{16}$
SM-119	19MM	$1\frac{9}{16}$	$1\frac{1}{16}$	$1\frac{7}{8}$
SM-120	20MM	$1\frac{11}{16}$	$1\frac{1}{8}$	$2\frac{1}{8}$
SM-121	21MM	$1\frac{11}{16}$	$1\frac{1}{8}$	$2\frac{1}{8}$
SM-122	22MM	$1\frac{5}{8}$	$1\frac{1}{16}$	$2\frac{3}{16}$
SM-123	23MM	$1\frac{21}{32}$	$1\frac{1}{4}$	$2\frac{3}{16}$
SM-124	24MM	$1\frac{21}{32}$	$1\frac{1}{4}$	$2\frac{5}{16}$
SM-125	25MM	$1\frac{23}{32}$	$1\frac{3}{8}$	3
SM-126	26MM	$1\frac{23}{32}$	$1\frac{3}{8}$	$2\frac{3}{4}$
SM-127	27MM	$1\frac{13}{16}$	$1\frac{1}{2}$	$3\frac{13}{16}$
SM-128	28MM	$1\frac{13}{16}$	$1\frac{1}{2}$	$3\frac{3}{8}$
SM-129	29MM	$1\frac{13}{16}$	$1\frac{9}{16}$	$3\frac{3}{4}$
SM-130	30MM	$1\frac{7}{8}$	$1\frac{11}{16}$	$5\frac{3}{16}$
SM-132	32MM	$1\frac{7}{8}$	$1\frac{11}{16}$	$4\frac{9}{16}$

\*JA-57M Set of 7 Metric Sockets (JM-609 to JM-619) in Fiber Box.

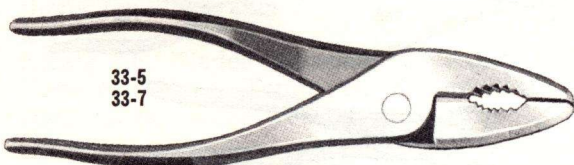
**Herbrand Tools**



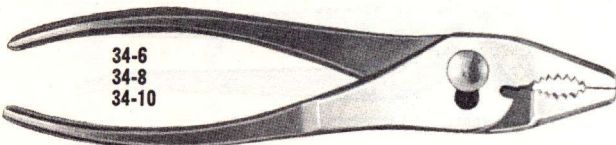
**MECHANICS PLIERS—DIAGONAL, CUTTING, COMBINATION,  
NEEDLE NOSE, MULTIGROOVE & VISE GRIP**



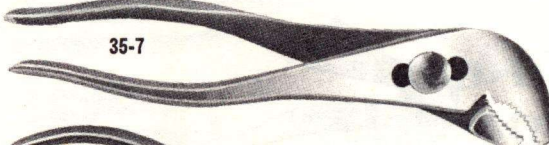
32-7



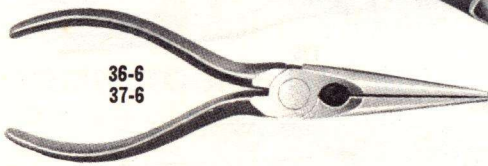
33-5  
33-7



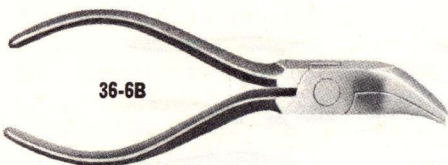
34-6  
34-8  
34-10



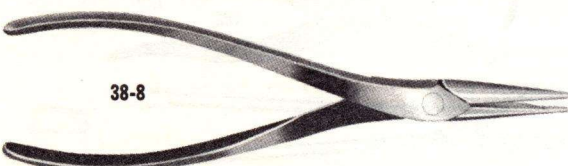
35-7



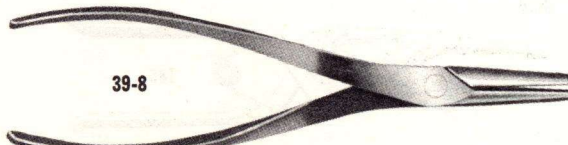
36-6  
37-6



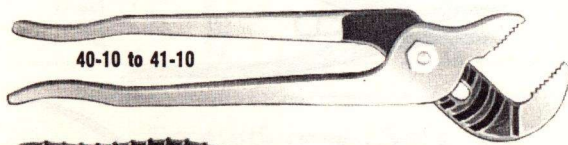
36-6B



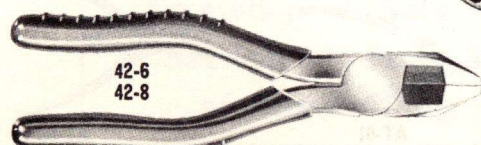
38-8



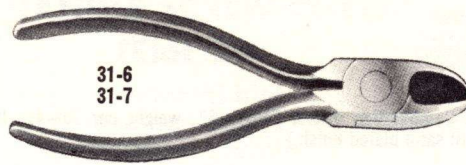
39-8



40-10 to 41-10



42-6  
42-8



31-6  
31-7

**31-6 Diagonal Cutting Pliers.** Length 6"; weight per 10—3½ lbs.

**31-7 Diagonal Cutting Pliers.** Length 7"; weight per 10—4¾ lbs. (The diagonals preferred by professional mechanics. Selected alloy steel. Specially heat treated, diamond hard cutters, hand honed for accuracy. Thin narrow heads. Blued finish, heads machine polished.)

**32-7 Heavy Duty Diagonal Pliers.** Length 7"; weight per 10—4¾ lbs. (The heavy duty diagonal has the head specially "short-coupled" for extra leverage.)

**33-5 Cutting and Gripping Pliers.** Length 5½"; weight per 10—2¾ lbs.

**33-7 Cutting and Gripping Pliers.** Length 7"; weight per 10—5 lbs. (All around "general use" pliers. Powerful gripping jaws with hand honed, induction-hardened side cutters. Forged from finest alloy steel. Blued finish with heads machine polished.)

**34-6 Heavy Duty Combination Pliers.** Length 6"; weight per 10—4¾ lbs.

**34-8 Heavy Duty Combination Pliers.** Length 8"; weight per 10—6¾ lbs.

**34-10 Heavy Duty Combination Pliers.** Length 10"; weight per 10—9 lbs. ("General-use" pliers designed to handle the toughest jobs. Slip joint construction with notch type wire cutters. Forged alloy steel, blued finish with heads machine polished.)

**35-7 Angle Nose Gripping Pliers.** Length 7"; weight per 10—3¾ lbs. (Thin heads at 45° angle with teeth deep milled, for maximum grip. Three position slip joint construction. Blued finish heads machine polished.)

**36-6 Long Needle Nose.** (Same construction as 37-6 but without side cutters.)

**36-6B Curved Needle Nose.** Length 6"; weight per 10—2¾ lbs. (Same quality as 36-6 except nose is bent at approximately 79° angle for use on cotter pins or to get around obstructions.)

**37-6 Long Needle Nose Pliers with Side Cutter.** Length 6"; weight per 10—2¾ lbs. (Finest spring-tempered alloy steel. Side cutters hand honed for accurate match. Long thin nose for easy entry in confined spaces. Blued finish with faces machine polished.)

**38-8 Long Reach Chain-Nose Pliers.** Length 7½"; weight per 10—3¾ lbs. (Short thin pointed jaws for entry in small spaces; long handles for unusual gripping power. Spring tempered alloy steel. Blued finish, faces machine polished.)

**39-8 Long Reach Duck Bill Pliers.** Length 7½"; weight per 10—3 lbs. (Powerful gripping short jaws with long bow handles. Popular on ignition, radio and similar work where thin broad nose is required. Blued finish, faces machine polished.)

**40-10 Multigroove Slip Joint Pliers.** Length 10"; weight per 10—7½ lbs. Blued finish, faces full polished.

**41-6 Multigroove Slip Joint Pliers.** Length 6"; weight per 10—3¾ lbs. Full polished chrome plated.

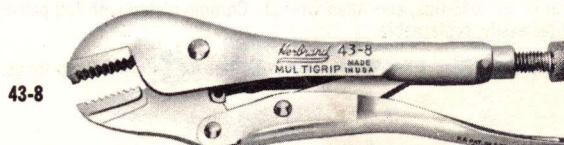
**41-8 Multigroove Slip Joint Pliers.** Length 8"; weight per 10—6¾ lbs. Full polished chrome plated.

**41-10 Multigroove Slip Joint Pliers.** Length 10"; weight per 10—7½ lbs. Full polished chrome plated. (New improved-design, interlocking groove type plier. Full range of sizes, drop forged for greater strength from special alloy steels.)

**42-6 Lineman Side Cutting Pliers.** Length 6"; weight per 10—4¾ lbs.

**42-8 Lineman Side Cutting Pliers.** Length 8"; weight per 10—6¾ lbs. (Drop-forged alloy steel, hand honed perfectly matched side cutters. Insulated handles. Have a place in every mechanic's kit. Highly polished.)

**43-8 Vise Grip Pliers.** Length overall 8"; jaws open to 1½". Weight per 10—9¾ lbs. (Feature of plier is 8" length and medium weight preferred by mechanics. Plier has 101 uses around shop. Heavy duty spring and strong non-slip action provides tremendous gripping power. Finger tip release.)



43-8

**Herbrand Tools**



**MECHANICS PLIERS – SPECIAL COMBINATION, MIDGET SLIP JOINT, ELECTRICAL, MULTIGRIP, BATTERY AND LOCK RING**

**151-S Special Combination Pliers.** Length 6"; weight per 10—4¼ lbs. (Select carbon steel, all satin plated finish.)

**154 Midget Pliers—Slip Joint.** Length 4¾"; weight per 10—1 lb. (Small general utility pliers. Tempered alloy steel, precision made. Light, thin and strong. Full chrome plate, heads polished.)

**160 Midget Slip-Joint Plier.** Length 5"; weight per 10—1½ lbs. (Has thin head—finger grip handles—opens to ¾". Designed for ignition type work. Chrome plated—special steel.)

**165 Midget Pliers—Smooth Rivet.** Length 4¾"; weight per 10—1½ lbs. (Small general utility pliers. Tempered alloy steel, precision made. Light, thin and strong. Full chrome plate, heads polished.)

**166½ Multigrip General Service Pliers.** Six position adjustment, capacity 0—1½". Length 9½"; weight per 10—7 lbs. (Most popular of all general duty pliers. Forged from special alloy steel for toughness and durability. Deep full milled teeth, hardened and tempered for long life. Smooth wide handles for comfortable grip and maximum leverage. Chrome plated, heads polished.)

**175 Wire Hose Clamp Plier.** 7¾" long. Grooved jaw ends swivel to fit any size wire hose clamp. The finger-tip "position lock" feature enables user to keep wire clamp spread open, and frees both hands. Locks in three positions.

**177 Battery Terminal Lifter and Scraper.** Length 10½"; weight per 10—8½ lbs. (Actual tests have proven this Herbrand exclusive tool to be the fastest and most efficient tool of its kind. The most heavily corroded terminals are easily snapped free without injury to battery or post. Quickly comes apart for use as internal or external scraper. Finest tempered alloy steel. Chrome plated, head polished.)

**178 Battery Pliers.** Length 7½"; weight per 10—3¾ lbs. (New style hook—nose jaw for sure grip. Thin heads—deep milled teeth. Fitted handles for powerful leverage. Chrome plated.)

**182 Brake Spring Pliers.** For use where long handles are awkward. Length 8½"; weight per 10—4½ lbs.

**183 Brake Spring Pliers.** Same as 183A except does not include special socket for Bendix type brake.

**183A Brake Spring Pliers.** Universal Plier. Includes special socket for full coverage of all mechanical and hydraulic brakes. Removes and replaces springs. Length 13½"; weight per 10—8½ lbs.

**183B Brake Spring Pliers.** Replacement socket and pin for 183A. (Designed by and for Professional Brake Mechanics. Available in two lengths for full job coverage. Thin narrow points with "Straight-in-line" pull on spring. Forged alloy steel, chrome plated, heads polished.)

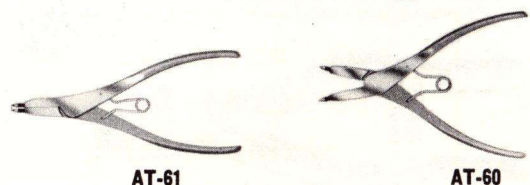
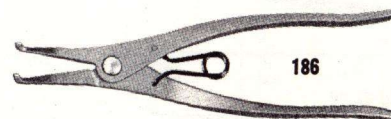
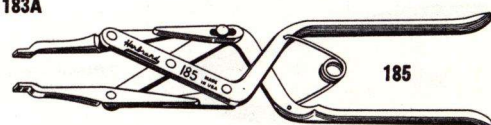
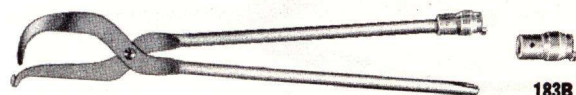
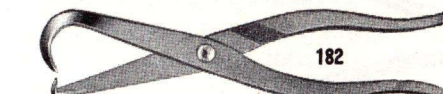
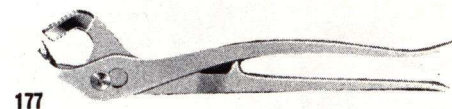
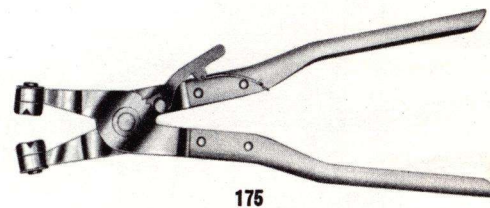
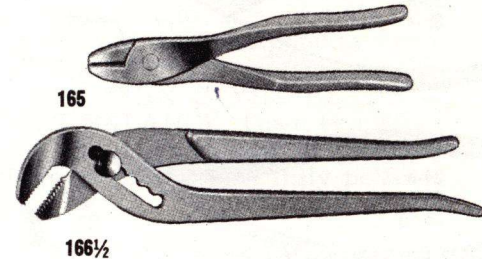
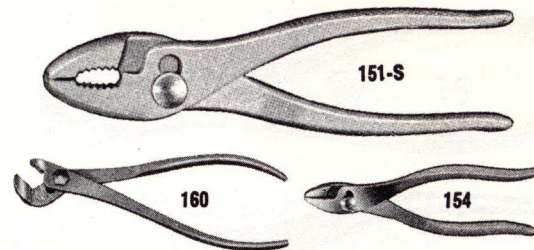
**185 Parallel Jaw Lock Ring Plier.** Length 10"; weight per 10—5¼ lbs. (New design allows larger spread of Jaws to 1½". Plier shape provides maximum working clearance—strong thin nibs have square dimple to hold lock ring. Smooth parallel action.

**186 Horse Shoe Lock Ring Pliers.** Length 7¾"; weight per 10—4 lbs. (Designed to spread snap rings of all types used on brakes, transmissions, etc. Nose deeply serrated for firm grip. Tempered alloy steel with wide comfortable handles. Chrome plated.)

**188 Chevrolet Huck Brake Spring Compressor.** Length 10¼"; weight per 10—9¼ lbs. (An exclusive Herbrand tool to speed up the tedious job of compressing springs for removal of washers when replacing linings on huck type brakes. Forged alloy steel, full chrome plate.) (Not illustrated)

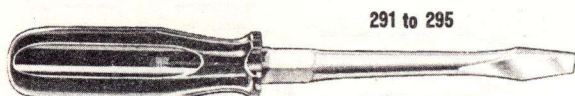
**AT-60 Internal Snap Ring Plier.** For working on automatic transmissions, power steering, and all snap rings. Each plier complete including .045 and .060 straight tips, one pair of 45° .045 tips, and Allen wrench. Chrome plated with full polished nose. All tips easily replaceable.

**AT-61 External Snap Ring Plier.** Same as AT-60, but for External Snap Rings.





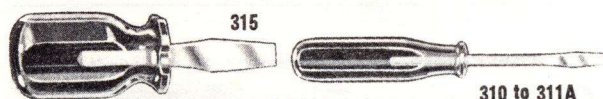
**'VAN-CHROME' SCREW DRIVERS, HEX BOLSTER, SLOT,  
PHILLIPS, T-HANDLE AND CLUTCH HEAD**



**HEX BOLSTER (Slot Type)**

Built for *heavy duty* use. Forged hex bolster on shank for wrenching on tough jobs. Special alloy steel precision forged and ground for accurate fit. Blades full polished entire length. Handles, Virgin Tenite II, fire resistant and shock proof. Exclusive "palm-fit grip."

Number	Bit Width	Blade Length	Bolster Across Flats	Wt. Lbs. 10 Pcs.
291	1/4	4 7/8	1/2	3 1/4
292	5/16	6	1/2	3 3/4
293	3/8	7	9/16	4 1/4
294	3/8	8 7/8	9/16	5 13/16
295	7/16	11	9/16	6 3/16



**PROTECTOGRIP (Slot Bit)**

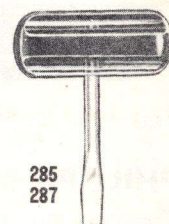
The screw driver preferred by mechanics. Selected alloy steel with bits forged with the square (not cross-square) for greater grain refinement of the steel providing toughness and added strength. Careful hardening processes provide long wear and resiliency. Bits accurately ground for perfect non-tilt grip when used on proper size screw. Handles of shock proof Virgin Tenite II of deep special four-flute design and shaped for comfortable, high-torque, non-slip grip.

Number	Bit Width	Blade Length	Size Square Stock	Wt. Lbs. 10 Pcs.
310	1/8	2	1/8	3/8
311	1/8	3	1/8	3/8
311A	1/8	5 3/4	1/8	9/16
312	7/32	3	3/16	1 1/8
313	1/4	6	3/16	1 1/2
314	1/4	9 7/8	3/16	1 13/16
315	5/16	1 1/2	1/4	1 1/4
315A	5/16	3 3/4	1/4	2 1/16
316	5/16	5 3/4	1/4	2 1/2
317	5/16	10	1/4	3 3/16
319	7/16	7	3/16	4
320	7/16	12	3/16	5 5/16
321	1/2	6	3/8	4 1/2
322	9/16	12	3/8	7 7/16
323	9/16	16	3/8	9 1/4

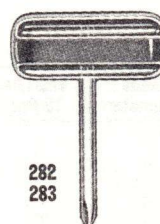
**Screwdriver Sets in  
Section 11, Page 35  
of this Catalog**

**T HANDLE SCREWDRIVER  
(Slot Bit)**

For extra-powerful high-torque turning the "T" handle is "tops." Available in two sizes. Highest quality alloy steel and Virgin Tenite II handles.



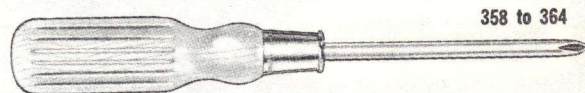
Number	Bit Width	Blade Length	Size Round Stock	Wt. Lbs. 10 Pcs.
285	1/4	2 1/2	1/4	1 1/8
287	3/8	2 1/16	3/8	2



**"T" HANDLE PHILLIPS**

Special Tenite II "T" Handle high torque drivers for those extra-tough turning jobs. Blades selected alloy steel, bits accurately milled.

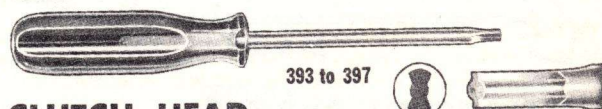
No.	Point	Fits Phillips Screws	Blade Length	Blade Diameter	Wt. Lbs. 10 Pcs.
282	2	No. 5 to 9 inc.	2 3/4	1/4	1 1/16
283	3	No. 10 to 16 inc.	2 1/16	5/16	1 7/8



**PHILLIPS BIT—WOOD HANDLE**

Alloy steel blades—carefully hardened with bits accurately milled. Handles of highest quality hard wood, fully varnished, ferrule nickel plated.

No.	Point	Fits Phillips Screws	Blade Length	Blade Diameter	Wt. Lbs. 10 Pcs.
358	1	No. 4 and smaller	1	3/16	1/2
359	2	No. 5 to 9 inc.	1 1/2	1/4	3/8
361	1	No. 4 and smaller	3	3/16	3/4
362	2	No. 5 to 9 inc.	4	1/4	1 13/16
363	3	No. 10 to 16 inc.	6	3/16	3
364	4	No. 18 and larger	8	3/8	5 3/8



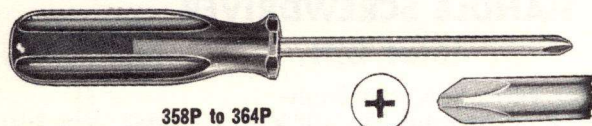
**CLUTCH HEAD**

The improved design, friction lock, "Type A" tip locks screw to driver for easy starting. Blades of special shock proof alloy steel hardened and drawn for long hard service. Extra large handles of Virgin Tenite II, shaped to provide comfortable grip.

No.	Clutch Size	Blade Length	Blade Diameter	Wt. Lbs. 10 Pcs.
393	5/32	4	1/4	1 1/4
395	1/4	6	5/16	2 3/4
397	5/16	6	3/8	4



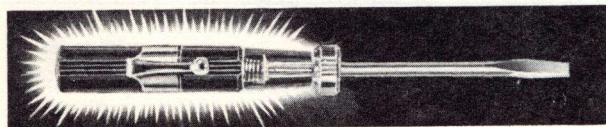
# 'VAN-CHROME' SCREW DRIVERS, SCREW STARTERS, SCREW EXTRACTORS AND WHIZ BITS



## PHILLIPS BIT-TENITE II HANDLES

There is no finer Phillips screw driver made. Blades are accurately milled from special analysis shock proof alloy steel. Bits are carefully hardened to hold up under hard wear with shanks drawn for toughness. Full polish finish. Handles are extra large deep fluted Tenite II, shaped for comfort and maximum turning power.

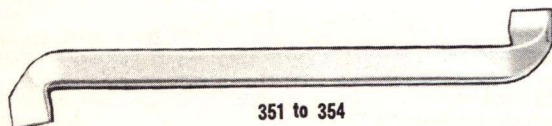
No.	Point	Fits Phillips Screws	Blade Length	Blade Diameter	Wt. Lbs. 10 Pcs.
358P	1	No. 4 and smaller	1	$\frac{3}{16}$	1
359P	2	No. 5 to 9 inc.	$1\frac{1}{2}$	$\frac{1}{4}$	$1\frac{3}{16}$
361P	1	No. 4 and smaller	3	$\frac{3}{16}$	$1\frac{1}{2}$
362P	2	No. 5 to 9 inc.	4	$\frac{1}{4}$	$1\frac{9}{16}$
363P	3	No. 10 to 16 inc.	6	$\frac{5}{16}$	$2\frac{7}{8}$
364P	4	No. 18 and larger	8	$\frac{3}{8}$	$4\frac{3}{4}$



## SPARK DETECTING SCREW DRIVER

For testing high frequency circuits such as spark plugs, ignition systems, etc. Neon tube in handle flashes indicating condition of circuit being tested. Alloy steel blades, shock proof plastic handle.

304E  $\frac{5}{16}$ " x  $2\frac{1}{4}$ " ; 5" O. A.; weight per 10— $\frac{3}{8}$  lb.  
305E  $\frac{3}{16}$ " x  $3\frac{3}{8}$ " ; 7 $\frac{1}{2}$ " O. A.; weight per 10— $1\frac{1}{4}$  lbs.

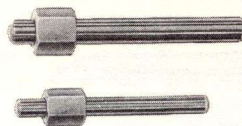
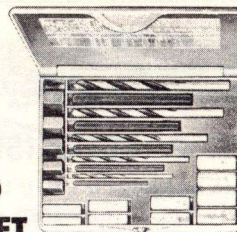


351 to 354

## OFFSET SCREW DRIVERS

For confined spaces where regular screw drivers cannot operate. Especially useful and efficient because blades are forged at 45° angle. Heat treated alloy steel, plated with blades bright.

Number	Size Stock	Length	Bit Width	Wt. Lbs. 10 Pcs.
351	$\frac{3}{16}$	4	$\frac{5}{16}$	$\frac{7}{16}$
352	$\frac{1}{4}$	$4\frac{3}{8}$	$\frac{3}{8}$	$\frac{7}{8}$
353	$\frac{5}{16}$	$5\frac{3}{8}$	$\frac{1}{2}$	$1\frac{1}{2}$
354	$\frac{3}{8}$	$6\frac{1}{2}$	$\frac{5}{8}$	$2\frac{5}{8}$

E1  
to  
E5

## XX-10 SCREW AND STUD EXTRACTOR SET

Contains full size range of straight fluted extractors 1E to 5E, as well as proper drills and drill guides. Extractions can be made up to 1" below surface. Straight flute construction will not expand or distort no matter how thin the wall or how far extractor is driven down. Set includes fitted metal case.

XX-5 FLUTED EXTRACTOR SET. 1E to 5E as listed.

Extractor No.	Screw Diameter	Use Drill	Length	Wt. Lbs. 10 Pcs.
E1	$\frac{1}{4}$	$\frac{1}{8}$	2	$\frac{5}{16}$
E2	$\frac{5}{16}$	$\frac{3}{16}$	$2\frac{3}{8}$	$\frac{7}{16}$
E3	$\frac{3}{8}$	$\frac{1}{4}$	$2\frac{3}{4}$	$\frac{3}{4}$
E4	$\frac{7}{16}$	$\frac{5}{16}$	3	1
E5	$\frac{1}{2}$ - $\frac{9}{16}$	$1\frac{1}{32}$	$3\frac{3}{8}$	$1\frac{3}{8}$



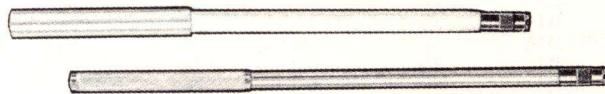
EX1 to EX5

## SCREW EXTRACTORS

Popular twist-type screw extractor available in five sizes for complete coverage as listed below. Simply drill hole in broken screw or stud and insert extractor with left hand turn.

X-5 SET OF 5 EXTRACTORS.

Extractor No.	Fractional Size	Use Drill	Length	Wt. Lbs. 10 Pcs.
EX1	$\frac{1}{8}$ - $\frac{3}{16}$	$\frac{1}{16}$	$2\frac{1}{8}$	$\frac{3}{32}$
EX2	$\frac{3}{16}$ - $\frac{5}{16}$	$\frac{7}{64}$	$2\frac{1}{2}$	$\frac{1}{4}$
EX3	$\frac{5}{16}$ - $\frac{7}{16}$	$\frac{3}{32}$	$2\frac{7}{8}$	$\frac{9}{16}$
EX4	$\frac{7}{16}$ - $\frac{9}{16}$	$\frac{1}{4}$	$3\frac{1}{4}$	$\frac{3}{4}$
EX5	$\frac{9}{16}$ - $\frac{3}{4}$	$\frac{9}{32}$	$3\frac{3}{4}$	$1\frac{1}{4}$



372 to 379

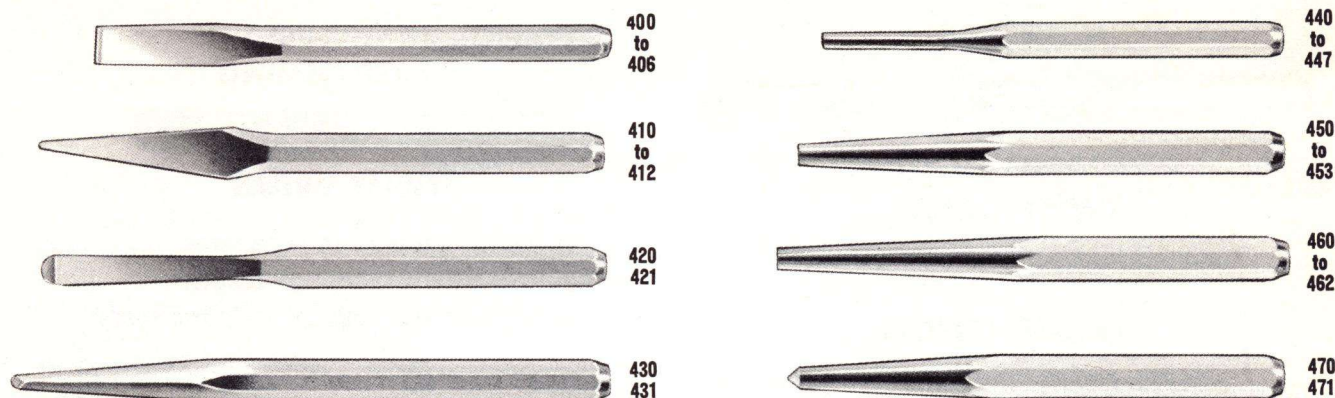
## SCREW STARTERS

For fast, sure starting of slot screws there is no better tool made. Firmly locks screw in place yet releases automatically as screw is tightened. Available in light aluminum or shock proof nylon handles.

Number	Length	Type Handle	Wt. Lbs. 10 Pcs.
372	$2\frac{1}{2}$	Aluminum	$\frac{1}{4}$
373N	$2\frac{1}{2}$	Nylon	$\frac{1}{4}$
375	5	Aluminum	$\frac{7}{16}$
376N	6	Nylon	$\frac{3}{8}$
379	9	Aluminum	$1\frac{1}{16}$
379N	9	Nylon	$\frac{1}{2}$



# HERBRAND PUNCHES, CHISELS AND PRY BARS



Herbrand punches and chisels are forged from the finest quality shock resistant alloy steel. Each is individually hardened and tempered to such a fine degree that the cutting and punching surfaces will stand up under the hardest usage, yet can be redressed with a file. Each tool fully plated with ends brightly polished. Only the finest quality tools bear the name HERBRAND.

## FLAT COLD CHISELS

Number	Size Stock	Width of Edge	Length	Approx. Wt. Lbs. 10 Pcs.
400	5/16	5/16	5	1 1/16
401	3/8	3/8	5	1 1/16
402	1/2	1/2	6	1 3/4
403	5/8	5/8	6	3 3/8
404	3/4	3/4	7	5 1/2
405	7/8	7/8	7 1/2	8 3/4
406	1	1	8	12 3/4

## CAPE CHISELS

410	5/16	7/32	5	1 5/16
411	3/8	5/16	5 3/4	1 1/2
412	1/2	3/8	6	2 5/8

## GOUGE CHISELS

420	5/16	7/32	5	1 5/16
421	3/8	1/4	6	1 5/8

## DIAMOND POINT CHISELS

430	5/16	5/64	5	1 5/16
431	3/8	1/8	6	1 11/16

## JIMMY, PRY AND ALIGNING BARS

All Herbrand bars are of finest alloy steels, spring tempered for rugged service. Each designed to do efficiently the jobs for which intended.

No.	Size Stock	Diameter of Point	Length	Width of Flat	Wt. Lbs. 10 Pcs.
480	1/2	1/8	12	5/8	5 3/4
481	5/8	3/32	16	7/8	11 5/8
482	3/4	1/4	20	1 1/8	21 1/2

485 Rolling Head Bar provides powerful leverage. Tapered end invaluable as aligning bar. 5/16" diameter stock, 15" long; weight per 10 9 3/4 lbs.

## PIN PUNCHES

No.	Size Stock	Diameter of Point	Length of Point	Length	Approx. Wt. Lbs. 10 Pcs.
440	5/16	1/8	3/4	4	1 1/16
441	3/8	3/32	1	4	3/4
442	1/2	1/16	1 1/16	4	3/4
443	5/8	3/32	1 1/2	6	1 1/8
444	3/4	3/16	2	6 1/2	1 1/16
445	7/8	3/32	2 1/2	6 7/8	1 5/8
446	1	1/4	2 3/4	7	1 11/16
447	1 1/2	3/16	3	7 1/2	3 3/8

## SOLID TAPER PUNCHES

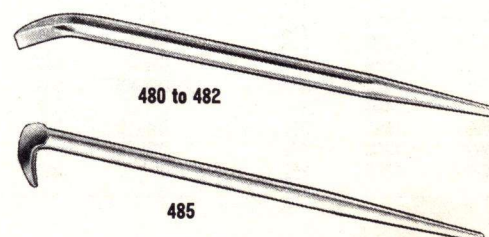
No.	Size Stock	Diameter of Point	Taper	Length	Approx. Wt. Lbs. 10 Pcs.
450	5/16	1/16	2	4 1/2	3/4
451	3/8	3/16	2	5	1 3/8
452	1/2	1/4	2 1/4	6	3
453	5/8	3/16	3 1/2	7	5

## LONG TAPER DRIFT PUNCHES

460	3/8	1/8	3 1/2	8	2
461	1/2	3/32	4	8	3 3/8
462	5/8	1/4	4	11	7 1/2

## CENTER PUNCHES

470	5/16	1/8	2	4	1 3/16
471	3/8	7/32	1 3/4	4 1/2	1 1/4



**Herbrand Tools**



HERBRAND  
TWIST DRILLS



DIAMOND 'H'  
JOBBER LENGTH

HIGH SPEED



DIAMOND 'H'  
TWIST DRILLS

JOBBER LENGTH

Drill No.	Size	Decimal Equiv. Inches	Length Overall Inches
DR-4	1/16	.0625	1 7/8
DR-5	3/32	.0781	2
DR-6	1/8	.0937	2 1/4
DR-7	5/32	.1094	2 3/8
DR-8	3/16	.1250	2 1/2
DR-9	7/32	.1406	2 3/4
DR-10	1/4	.1562	3
DR-11	5/16	.1719	3 1/4
DR-12	3/8	.1875	3 1/2
DR-13	7/16	.2031	3 3/4
DR-14	1/2	.2187	4
DR-15	5/8	.2344	4 1/4
DR-16	3/4	.2500	4 1/2
DR-17	7/8	.2656	4 3/4
DR-18	1	.2812	5

WIRE GAUGE SIZES

Wire Gauge Number	Decimal Equivalent Inches	Length Overall Inches
DW-1	.2280	3 3/8
DW-2	.2210	3 1/2
DW-3	.2130	3 3/4
DW-4	.2090	3 7/8
DW-5	.2055	4
DW-6	.2040	4 1/8
DW-7	.2010	4 1/4
DW-8	.1990	4 1/2
DW-9	.1960	4 3/4
DW-10	.1935	4 7/8
DW-11	.1910	5
DW-12	.1890	5 1/8
DW-13	.1850	5 1/4
DW-14	.1820	5 1/2
DW-15	.1800	5 3/4
DW-16	.1770	5 7/8
DW-17	.1730	6
DW-18	.1695	6 1/8
DW-19	.1660	6 1/4
DW-20	.1610	6 1/2
DW-21	.1590	6 3/4
DW-22	.1570	6 7/8
DW-23	.1540	7
DW-24	.1520	7 1/8
DW-25	.1495	7 1/4
DW-26	.1470	7 1/2
DW-27	.1440	7 3/4
DW-28	.1405	8
DW-29	.1360	8 1/4
DW-30	.1285	8 1/2

HIGH SPEED  
SILVER-DEMING

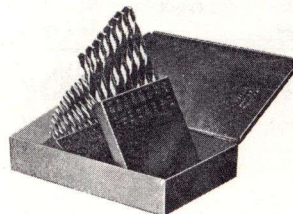


TWIST DRILLS

- 17 SIZES—FROM 1/2" TO 1" BY 32NDS!
- 1/2" DIAMETER SHANK...6" LENGTH
- PACKAGED INDIVIDUALLY IN PLASTIC TUBES!

Number	Size	Number	Size
DRS-32	1/2	DRS-50	25/32
DRS-34	17/32	DRS-52	13/16
DRS-36	9/16	DRS-54	27/32
DRS-38	19/32	DRS-56	7/8
DRS-40	5/8	DRS-58	29/32
DRS-42	21/32	DRS-60	15/16
DRS-44	11/16	DRS-62	31/32
DRS-46	23/32	DRS-64	1
DRS-48	3/4		

JOBBER LENGTH DRILL SETS  
IN METAL INDEXES AND KITS



21 PIECE DRILL SET  
Set No. DR-21-B

With Steel Index Container includes sizes 1/16" to 3/8" by 64th JOBBER LENGTH.

29 PIECE DRILL SET  
Set No. DR-29-B

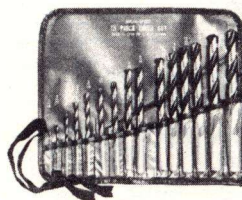
With Steel Index Container includes sizes 1/16" to 1/2" by 64th JOBBER LENGTH.

15 PIECE DRILL SET  
Set No. DR-15-B

With Steel Index Container includes sizes 1/16" to 1/2" by 32nd JOBBER LENGTH.

13 PIECE DRILL SET  
Set No. DR-13-B

With Steel Index Container includes sizes 1/16" to 1/4" by 64th JOBBER LENGTH.

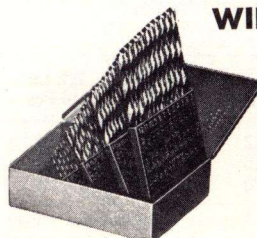


10 PIECE DRILL SET IN ROLL KIT  
Set No. DR-10-R

Sizes: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", and 3/8"

15 PIECE DRILL SET IN ROLL KIT  
Set No. DR-15-R

WIRE GAUGE



60 PIECE NUMBER SET  
Set No. DW-60-B

With Steel Index Container includes 60 high speed number size drills, jobber length No. 1 to 60. USE WITH WIRE GAUGE.



# HERBRAND RULES, RE-THREADER DIES & TAPS, FILES, SCRAPERS, MAGNETIC PICK-UP TOOLS, AND TIN SNIPS

## PUSH PULL RULES



Precision built for accuracy and long wear. Easy to read large, black numbers on acid-proof, white enamel background. Polished chrome finished case, scaled for inside-outside measures.

- No. 206W 6 ft. length; weight per 10— $\frac{3}{4}$  lb.  
No. 208W 8 ft. length; weight per 10—1 lb.  
No. 210W 10 ft. length; weight per 10—1 $\frac{1}{4}$  lbs.

## RE-THREADER TAP SETS

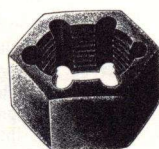
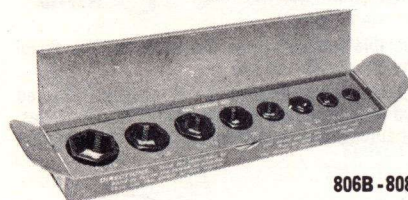


No. 805B Set of 3 taps and 3 dies. Inverted fitting thread restorers for  $\frac{1}{16}$ ",  $\frac{1}{8}$ ",  $\frac{3}{16}$ " gas and oil lines.

Restore damaged, corroded or rusted threads instantly and accurately. Easily operated with open end or box wrench with or without flexible socket or ratchet. Taps are case hardened.

- No. 803B Set of 6 NF-SAE re-threader taps.  
No. 804B Set of 6 NC-USS re-threader taps.  
(Sizes  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ", marked on each tap)

## THREAD RESTORER DIE SETS



The same size as an ordinary nut, these hex re-threader dies operate easily in confined areas where the usual type dies cannot be used. The same box or open end wrench used to turn the standard nut will quickly run the rethreading die down the bolt, restoring the damaged threads to their original line. Available in two sets covering USS, American Coarse and SAE, American Fine Thread.

- No. 806B Set of the 8 USS dies listed below. Weight— $\frac{1}{2}$  lb.  
No. 808B Set of the 8 SAE dies listed below. Weight— $\frac{7}{16}$  lb.

Bolt Dia.	S. A. E. Thd. Per In.	U. S. S. Thd. Per In.	Hexagon Size
$\frac{1}{4}$	28	20	$\frac{7}{16}$
$\frac{3}{16}$	24	18	$\frac{1}{2}$
$\frac{1}{8}$	24	16	$\frac{9}{16}$
$\frac{7}{16}$	20	14	$\frac{5}{8}$
$\frac{1}{2}$	20	13	$\frac{3}{4}$
$\frac{9}{16}$	18	12	$\frac{7}{8}$
$\frac{5}{8}$	18	11	$1\frac{1}{16}$
$\frac{3}{4}$	16	10	$1\frac{1}{8}$

## THREAD RESTORER FILES



809-811

A few strokes of these special cutters will restore battered or damaged threads to original shape. Use like a file. Eight thread sizes on each tool.

- No. 809 For 9, 10, 12, 16, 20, 27, 28 and 32 threads to the inch.  
No. 811 For 11, 12, 13, 14, 16, 18, 20 and 24 threads to the inch. Length 10"; weight per 10—3 $\frac{3}{4}$  lbs.

## PUTTY KNIFE SCRAPERS



347

Most popular of all general use scrapers. Two styles cover all jobs from old gaskets to hard undercoating. Alloy steel blades—mirror polished. Tough Tenite II plastic handles.

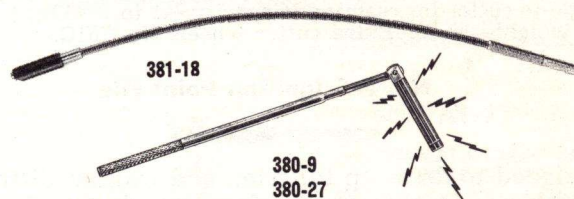
- No. 343 Standard Semi Stiff. Blade width  $1\frac{1}{4}$ "; weight per 10—1 $\frac{1}{8}$  lbs  
No. 347 Heavy Chisel Edge. Blade width  $1\frac{3}{8}$ "; weight per 10—1 $\frac{1}{8}$  lbs

## No. 348 Forged General Purpose Scraper



Popular all purpose scraper. Blade 8" long and 1" wide, with chisel edge. Forged alloy steel, spring tempered. Weight per 10—2 $\frac{3}{4}$  lbs.

## MAGNETIC PICK-UP TOOLS



381-18

380-9  
380-27

Permanent magnetic, swivel heads. Easily retrieves tools or metal parts dropped in inaccessible places.

- No. 380-9 Magnetic Pick-Up. 9" long; weight per 10—1 lb.  
No. 380-27 Magnetic Pick-Up. 16 $\frac{1}{2}$ " extends to 27". Weight per 10—4 $\frac{1}{4}$  lbs.  
No. 381-18 Flexible Magnetic Pick-Up. 18" long; weight per 10—2 $\frac{1}{2}$  lbs

## TIN SNIPS "DUCK BILL" PATTERN



Herbrand tin snips are made of special analysis alloy steel, hardened and tempered for long life. Cutting edges are thin and of "duck bill" design for ease in cutting straight line or intricate curve patterns. Long comfortable handles for powerful cutting leverage. Finished in baked on blue enamel, blades polished.

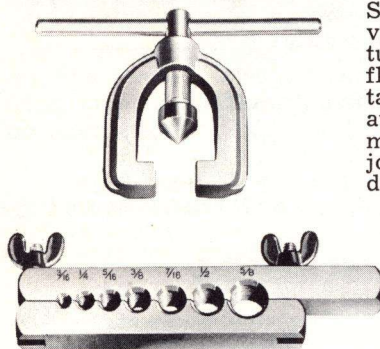
- TS-7 Length 7"; weight per 10—4 lbs.  
TS-10 Length 10"; weight per 10—8 $\frac{1}{4}$  lbs.  
TS-12 Length 12"; weight per 10—16 $\frac{1}{4}$  lbs.

**Herbrand Tools**



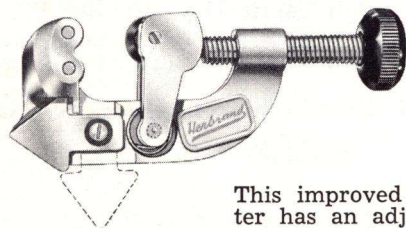
**HERBRAND TUBE FLARER, CUTTER, SCRAPER, AVIATION SNIPS, FILE, MULTISCOPE, HACK SAW BLADES AND FRAMES**

**NO. 750 TUBE FLARER**



Seven flaring dies provide for all popular size tubing. Hardened male flaring plug accurately tapered and polished to avoid tearing of soft metal and insure a tight joint. Threaded female dies prevent slipping. To operate; place tubing in proper die opening, tighten wing nuts, adjust head for desired pressure and turn T handle. Die sizes:  $\frac{1}{8}$ ",  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{5}{8}$ ". Cadmium plated. Length  $6\frac{1}{2}$ "; weight— $2\frac{3}{4}$  lbs.

**NO. 761 TUBE CUTTER**



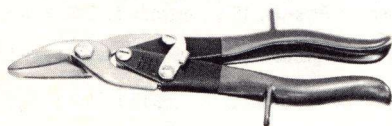
This improved design cutter has an adjustable heat-treated tool steel cutting wheel and self-centering roller jaws for cutting soft tubing cleanly and without burrs. Reamer held securely out of the way when not in use but slips quickly to a position at 90° angle to cutter for reaming. Capacity  $\frac{1}{8}$ " to 1" O.D.; length 6"; weight— $\frac{5}{8}$  lb. Extra cutter wheels No. 761C.

**No. F-5 Ignition Point File**



Designed to dress up tungsten and iridium distributor points. Double cut for fast smooth cut. Length  $5\frac{1}{4}$ ";  $5/16$ " wide; weight per card of 12 files— $\frac{1}{4}$  lb.

**COMPOUND ACTION AVIATION SNIPS**



Hot drop-forged blades of alloy steel, keenly ground edges, hardened and tempered so that blades are of uniform hardness, retaining their sharpness over longer periods of service. Both edges serrated to prevent slipping of the material. Self-locking nuts keep snips in proper adjustment. Fast action spring returns blades to open position for smooth, continuous cutting.

TS-10-L and TS-10-R designed to cut intricate patterns; TS-10-S for straight cutting and shallow arcs; Wgt. Ea.  $\frac{3}{4}$  lb.

Polished Head, Cushion-Grips with Hand Guards.

TS-10-L	10"	$1\frac{1}{2}$ " Cut	Cuts LEFT
TS-10-R	10"	$1\frac{1}{2}$ " Cut	Cuts RIGHT
TS-10-S	10"	$1\frac{1}{2}$ " Cut	Cuts STRAIGHT

**NO. MS-1 MULTISCOPE®**

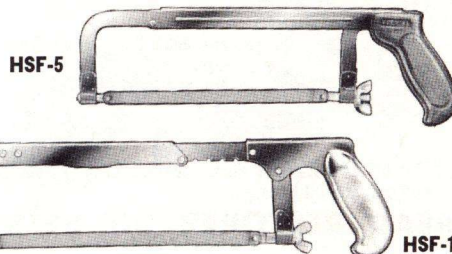
PATENT NO. D-163,282



(IMPROVED MODEL)

The greatest *trouble-tracer* in the maintenance business. Locates and identifies trouble quickly. Saves unnecessary "tear-down" time and labor. Used like a doctor's stethoscope, this model picks up the entire range of sound the ear can detect. A few examples of use are: bearing noises, steam, liquid or air traps and valves; operation of sealed mechanical and electrical control assemblies; refrigeration units; stress sounds in material testing; and any hidden or enclosed spots where tear down is difficult and costly. Weight each— $\frac{7}{16}$  lbs.

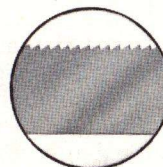
**ADJUSTABLE HACK SAW FRAMES**



**HSF-5** Standard adjustable frame handles blades up to 12". Pistol grip molded handle. Weight per 10—10 lbs.

**HSF-10** All steel construction to withstand heavy abuse. Checkered pistol grip handle. Rigid reinforced back adjusts from 8" to 12" blades. Especially designed for automotive mechanics. All nickel finish. Weight per 10— $12\frac{1}{2}$  lbs.

**HACK SAW BLADES**



Herbrand provides a complete range of highest quality hack saw blades. A type and size for every job. For the extra tough jobs, high speed, special alloy steel blades. For standard work the flexible back hardened blades.

**FLEXIBLE—BACK HARDENED BLADES**

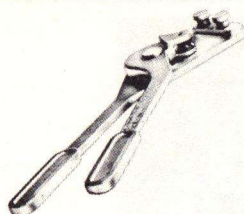
Part No.	Length	Teeth Per Inch	Part No.	Length	Teeth Per Inch
HF-1018	10	18	HF-1218	12	18
HF-1024	10	24	HF-1224	12	24

**HIGH SPEED BLADES**

HS-1018	10	18	HS-1218	12	18
HS-1024	10	24	HS-1224	12	24



**AUTOMATIC TRANSMISSION TOOLS – HYDRAMATIC, DYNAFLOW, POWER GLIDE, FORD-OMATIC, MERCOMATIC, POWERFLITE**



**AT-5**

**UNIVERSAL THROTTLE  
ARM BENDER**

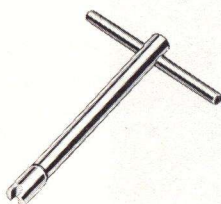
For all 1946-55 HYDRAMATIC transmissions except 1955 Pontiac.



**AT-6**

**HEX ADAPTOR FOR  
53-55 CHEVROLETS**

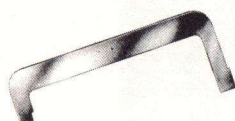
Easily attaches to AT-51 for adjustment of 1953-55 Chevrolet transmissions.



**AT-7**

**THROTTLE VALVE STOP  
BENDING TOOL**

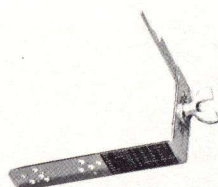
For all 1951-57 FORDOMATIC and MERCOMATIC transmissions. Used to adjust O setting of the throttle valve stop.



**AT-20**

**HYDRAMATIC REAR BAND  
ADJUSTMENT GAUGE**

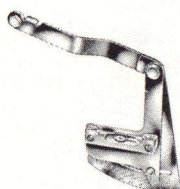
For internal adjustment of rear bands (oil pan removed), this snap-type Gauge assures accurate adjustment meeting manufacturers' specifications.



**AT-21**

**UNIVERSAL THROTTLE  
ARM GAUGE**

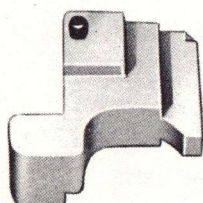
For all 1946-55 HYDRAMATIC Transmissions. Gauge is used during adjustment of throttle linkage to check outer throttle arm.



**AT-22**

**THROTTLE LEVER  
PROTRACTOR GAUGE**

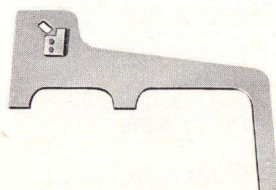
For all 1951-56 FORDOMATIC and MERCOMATIC transmissions.



**AT-23**

**THROTTLE LINKAGE GAUGE**

For 1954 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.



**AT-24**

**THROTTLE LINKAGE GAUGE**

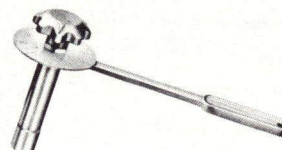
For 1951-52-53 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.



**AT-25**

**GAUGE**

Herbrand Gauge AT-25 should be used with the Front Band Adjusting Tool.



**AT-50**

**HYDRAMATIC BAND  
ADJUSTING TOOL**

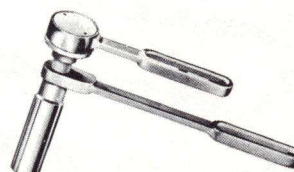
Especially designed for external adjustment of front and rear bands on Hydramatic transmissions.



**AT-51**

**ADJUSTING TOOL**

For Dynaflow band adjustments on all 1948-1955 Buicks, and Powerglide band adjustments on all 1950-1953 Chevrolets.



**AT-52**

**REAR BAND ADJUSTING  
TOOL**

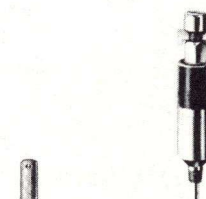
For all 1951-57 FORDOMATIC and MERCOMATIC transmissions.



**AT-53**

**FRONT BAND ADJUSTING  
TOOL**

For all 1951-57 FORDOMATIC and MERCOMATIC transmissions.



**AT-54**

**HYDRAMATIC FRONT BAND  
ADJUSTING TOOL**

This accurate Tool is designed for internal adjustment (transmission oil pan removed) of front bands on Hydramatic transmissions.



**AT-55**

**REVERSE BAND ADJUSTING  
TOOL**

For all POWERFLITE transmissions. This time-saving Adjustment Tool can be used with transmission in or out of car.



**AT-56**

**KICKDOWN BAND ADJUSTING  
TOOL**

For all POWERFLITE transmissions. Tool may be used with transmission in or out of car.



**AT-70**

**LINKAGE PINS**

For most HYDRAMATIC transmission.



**AT-71**

**THROTTLE LINKAGE  
CONTROL PIN**

For 1955-57 FORDOMATIC and 1954-57 MERCOMATIC transmissions.

See AT-4000 for complete listing and instructions for use of all Automatic Transmission Tools.

**Herbrand Tools**





**FOR TOOL CABINETS  
SEE HERBRAND CHEST  
AND ROLLWAY CATALOG**

### **MASTER MECHANIC SET NO. VC-120A (120 Pieces) (TOOLS ONLY)**

As illustrated above with the Deluxe Rollway the VC-120 represents a complete Mechanics Work Shop. Truly the last word in utility and quality. Includes:

**Pliers**—Combination 34-6, Multigrips 166½, 160, Battery 178, Brake Spring 183A.

**Midget O.E. Wrenches**—81, 83, 85, 87, 89.

**Screwdrivers**—310, 312, 313, 315, 316, 352, 362.

**Carbon Scraper**—348.

**Cold Chisels**—402, 404, 431.

**Punches**—440, 445, 451, 462, 471.

**Rolling Head Bar**—485.

**Hammers**—Nylon 660, Ball pein, 16 oz. BP-16.

**Open End Wrenches**—1021S, 1027B, 1033A, 1723, 1725B, 1731.

**Combination Wrenches**—1212L, 1214L, 1216L, 1218L, 1220L, 1222L, 1224L, 1226L.

**Box End Wrenches**—3923, 3925, 3929, 3931, 3933, 4923, 4925, 4927.

**Allen Wrench Set**—8 pcs. AW-80.

**Feeler Gauge**—10 blades G-10.

#### **SOCKETS AND ATTACHMENTS, SQUARE DRIVE**

¼" **Drive**—Set MA-53½ (16 pcs.).

⅜" **Drive**—Ratchet J-7, Handle J-13, Sockets J-112, J-114, J-116, J-118, J-120, J-122, J-124.

½" **Drive**—Ratchet S-7, Handles S-15, S-17, Extension S-27, Universal S-35, Adaptor A-390, Deep Socket Set DS-11½ (7 pcs.).

Sockets S-37, S-112, S-114, S-116, S-118, S-120, S-122, S-124, S-128, S-130, S-132.

¾" **Drive**—Handle H-21, Extension H-29, Sockets H-134, H-136, H-140, H-142, H-144, H-146, H-148.



# HERBRAND 'VAN-CHROME' DELUXE SOCKET SETS

## SET NO. VC-85A (85 Pieces)

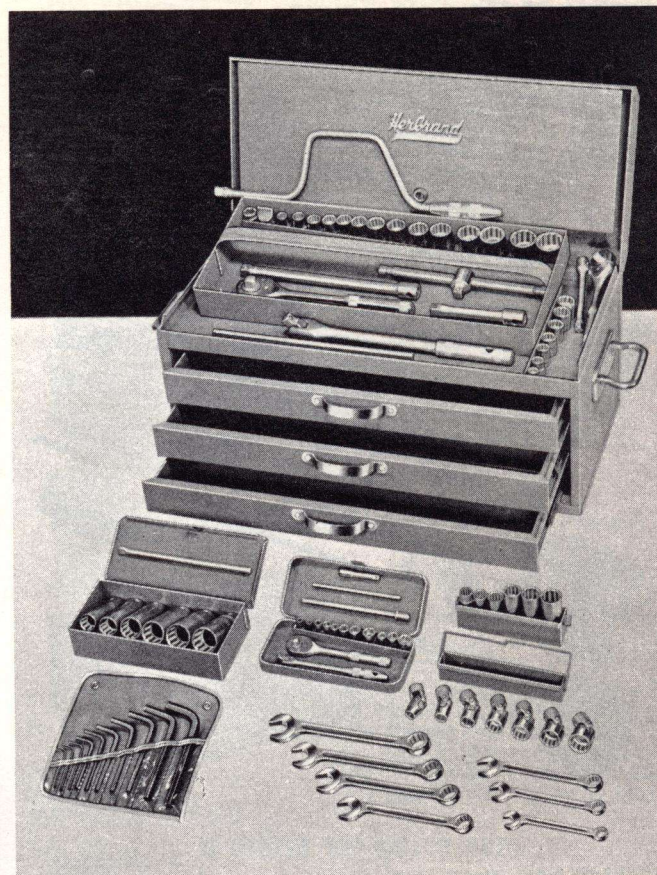
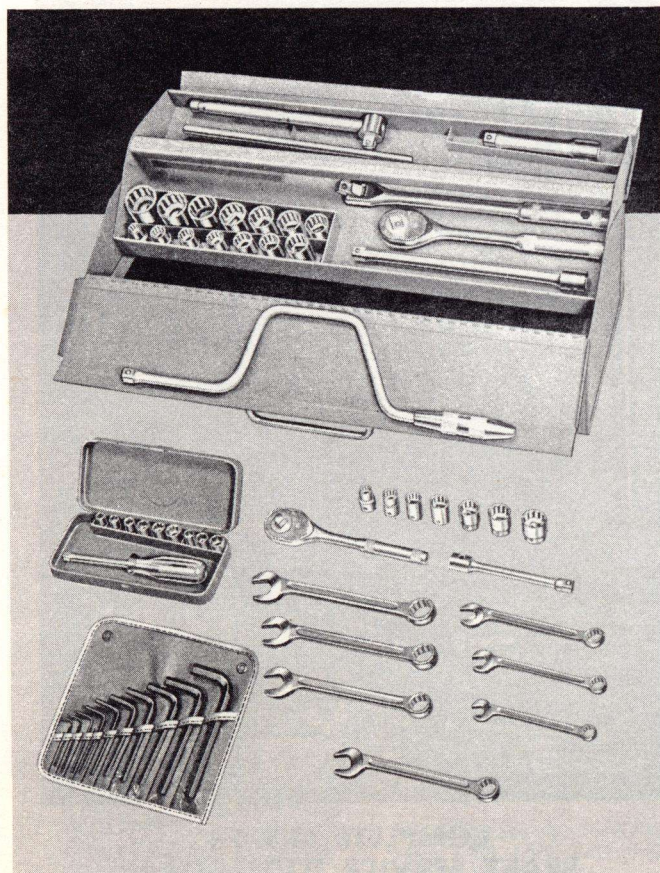
This popular tool assortment provides a fine range of openings in both sockets and wrenches to handle the majority of jobs.

**1/4" Square Drive Series**—6 Point Sockets—M606, M607, M608, M609, M610, M611, M612; 8 Point Sockets—M808, M810, M812; **Reversible Ratchet**—M-5; **Flex Handle**—M13; **Extensions**—M22 and M23; **"T" Handle**—M33. In fitted Metal Box.

**3/8" Square Drive Series**—12 Point Sockets—J112, J114, J116, J118, J120, J122, J124; **Reversible Ratchet**—J7; **Extension**—J27; **12 Point Deep Sockets in Tray**—J414, J416, J418, J420, J422, J424; **6 and 12 Point Flex Sockets in Tray**—J912, J914, J916, J318, J320, J322, J324.

**1/2" Square Drive Series**—12 Point Sockets—S114, S116, S118, S118V, S119, S120, S122, S124, S125, S126, S128, S130, S132, S134, S136; **Deep Sockets in Metal Box**—DS20, DS22, DS26, DS28, DS30, DS32; **Reversible Ratchet**—S7 **Flex Handle**—S13; **Speeder Handle**—S17; **Sliding "T" Handle**—S21; **Extensions**—S27 and S28; **"T" Bar**—S33; **Drag Link Socket**—S39; **Combination Wrenches**—1212S, 1214S, 1216S, 1218S, 1220S, 1222S, 1224S; **10 Allen Wrenches in Roll**.

In Chest B-330



## SET NO. VC-57A (57 Pieces)

A fine starter set. Includes the popular basic items on which to build a broader coverage set by adding additional items as desired.

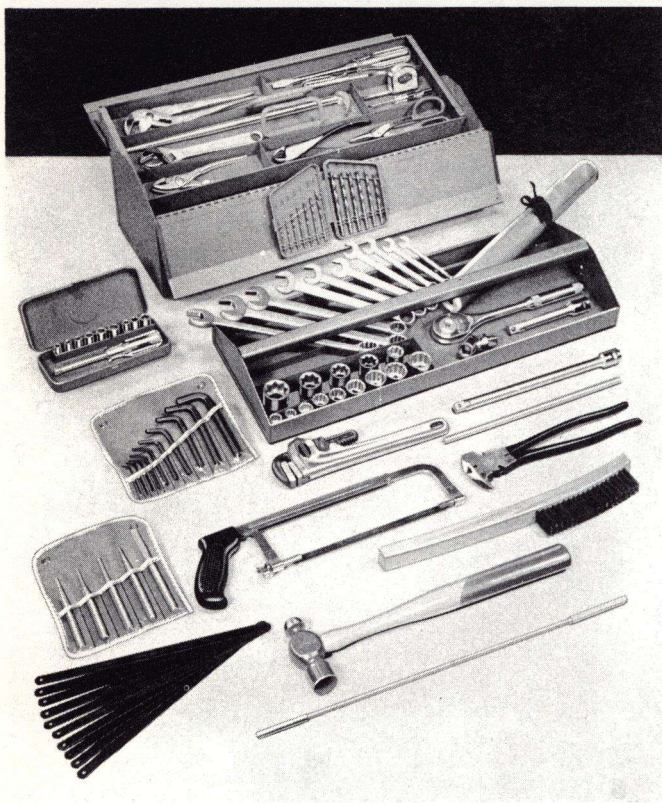
**1/4" Square Drive Series**—6 Point Sockets—M608, M609, M610, M611, M612, M614; 8 Point Sockets—M808, M810, M812; **Spinner Handle**—M20. In fitted Metal Box.

**3/8" Square Drive Series**—12 Point Sockets—J112, J114, J116, J118, J120, J122, J124; **Reversible Ratchet**—J7 **Extension**—J27.

**1/2" Square Drive Series**—12 Point Sockets—S114, S116, S118, S119, S120, S122, S124, S125, S126, S128, S130, S132, S134, S136; **Reversible Ratchet**—S7 **Flex Handle**—S13, **Speeder Handle**—S17, **Sliding "T" Handle**—S21, **Extensions**—S27 and S28, **"T" Bar**—S33; **Combination Wrenches**—1212S, 1214S, 1216S, 1218S, 1220S, 1222S, 1224S; **10 Allen Wrenches in Roll**.

In Heavy Duty Fitted Box B902 with 2 Tote Trays.





### THE DELUXE RURAL SET NO. TR-93A

A complete assortment to service practically every job on farm equipment. In fitted heavy duty carrying box.

**1/4" Square Drive Series**—6 Point Sockets—M608, M609, M610, M611, M612, M614; 8 Point Sockets—M808, M810, M812; **Spinner Handle**—M20. In fitted Metal Box. **1/2" Square Drive Series**—12 Point Sockets—S114, S116, S118, S120, S122, S124, S128, S130, S132; 8 Point Sockets—S218, S220, S222, **Reversible Ratchet**—S7; **Extensions**—S27 and S28; **"T" Handle**—S33; **Universal Joint**—S35; **Combination Wrenches**—1214L, 1216L, 1218L, 1220L, 1222L, 1224L, 1226L, 1228L, 1230L, 1232L, **Adjustable Wrench**—21-8; **Pliers**—32-7, 151S, 166 1/2, 189; **Steel Rule**—206W; **Screw Drivers**—292, 304E, 312; **Magnetic Pick Up**—381-18; **Aligning Bar**—485; **Wire Brush**—1132; **Ball Pein Hammer**—BP16; **Punches and Chisels in Roll**—400, 440, 441, 450, 470; **10 Allen Wrenches in Roll**; **Drill Set in Plastic Kit**—DR113; **Hack Saw Frame**—HSF5 with 10 blades; **10" Pipe Wrench**; **Tin Snips**—TS-7. In Box B902 with 2 Tote Trays.

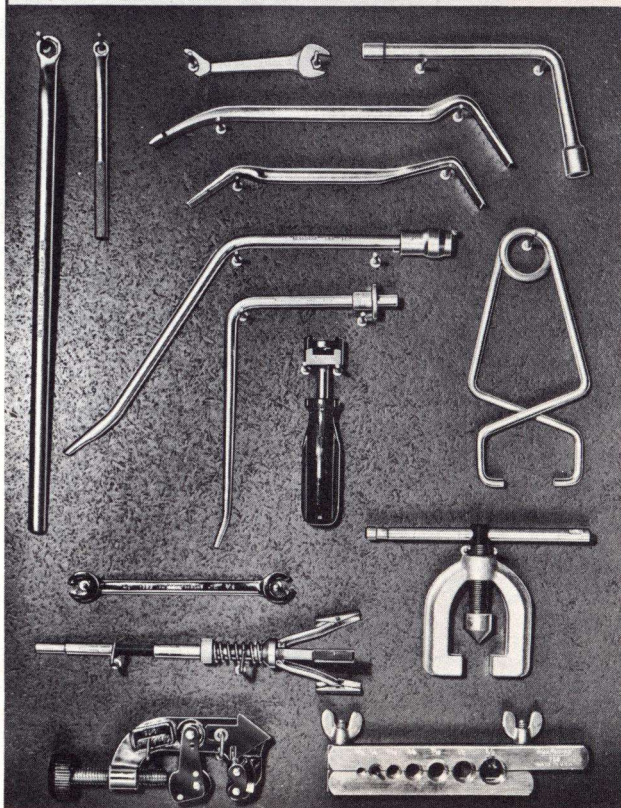
### COMPLETE BRS-14 BRAKE SERVICE TOOL BOARD

This all new brake tool set comes complete with handy heavy duty board which tells car owners complete brake service is available. Board furnished with metal hanger for wall or easel set-up. This brake Tool Board Set contains all of the tools necessary to adjust and repair all American made passenger cars and light truck brakes. All tools in this set have been accepted and approved by Brake technicians and specialists and each tool has been developed for one specific purpose to speed up profitable brake repair and adjustment. Board size 16" x 24".

Set contains:

- 255 Chrysler Center Plane Brake Adjusting Wrench
  - 260 Chrysler Center Plane Brake Adjusting Tool
  - 261 Bendix type Brake Spring Tool
  - 262 Chrysler Products Emergency Brake Adjusting Tool
  - 265 Brake Shoe Retaining Spring Tool
  - 270 Brake Bleeder Wrench—1/4" x 3/8" hex
  - 271 Rambler and Compact Brake Bleed Wrench
  - 275S Set of 4 Hydraulic Brake Wheel Cylinder Clamps
  - 300 Universal Bendix type Brake Shoe Adjusting Tool
  - 301 Bendix Brake Shoe Adjusting Tool (for models earlier than 1959)
  - 750 Brake Tubing Flaring Tool for 3/8" to 5/8" tubing
  - 761 Brake Tubing Cutter for 1/2" to 1" Tubing
  - 1323 Flare Nut Wrench 3/8" x 7/16" Hex Openings
  - CH-63 Hydraulic Brake Wheel and Master Cylinder Reconditioning Hone.
- Shipping weight, board and tools complete 15 lbs.

### COMPLETE BRAKE SERVICE



### COMPLETE BRS-14 BRAKE SERVICE TOOL BOARD



## HERBRAND TOOL SETS

 $\frac{1}{4}$ " —  $\frac{3}{8}$ " AND  $\frac{1}{2}$ " SQUARE DRIVEM SERIES  $\frac{1}{4}$ " DRIVE SETS

**Set MA-52  $\frac{1}{2}$ "**  
(10 Pieces)

6 Point Sockets—M-608, M-609, M-610, M-611, M-612, M-614; 8 Point Sockets—M-808, M-810, M-812; Spinner Handle—M-20. In Metal Box B401.



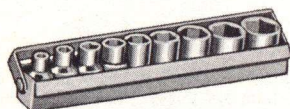
**Set MA-53  $\frac{1}{2}$ "**  
(16 Pieces)

6 Point Sockets—M-606, M-607, M-608, M-609, M-610, M-611, M-612, M-614; 8 Point Sockets—M-808, M-810, M-812; M-5 Ratchet; M-13 Handle; Extensions M-22 and M-23; M-33 Bar. In Box B401.



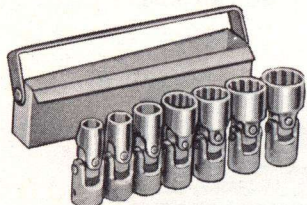
**MA-56  $\frac{1}{2}$ " (31 Pieces)**

6 Point Sockets—M-606, M-607, M-608, M-609, M-610, M-611, M-612, M-614; 8 Point Sockets—M-808, M-810; M-5 Ratchet; M-13 Handle; M-20 Spinner; M-21 "T" Handle; Extensions M-22 and M-23; M-33 Bar; M-45 Bit; Box Wrenches—Nos. 71, 72, 73 and 74; End Wrenches—81, 83, 85, 87 and 89; 160 Plier; 2 Screw Drivers. In Box B402.

J SERIES  $\frac{3}{8}$ " DRIVE SETS

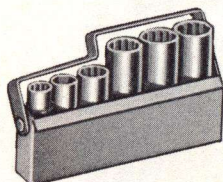
**Set JA-51 (9 Pieces)**

6 Point Sockets—J-608, J-610, J-612, J-614, J-616, J-618, J-620, J-622, J-624. In Tray B651.



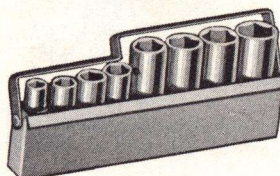
**SET JA-52 (7 Pieces)**

6 Point Flex Sockets—J-912, J-914, J-916; 12 Point Flex Sockets—J-318, J-320, J-322, J-324. In Tray B652.



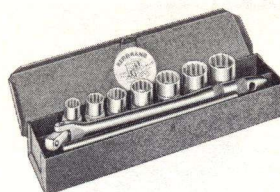
**Set JA-53 (6 Pieces)**

12 Point Deep Sockets—J-414, J-416, J-418, J-420, J-422, J-424. In Tray B653.

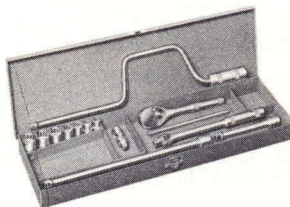


**Set JA-54 (8 Pieces)**

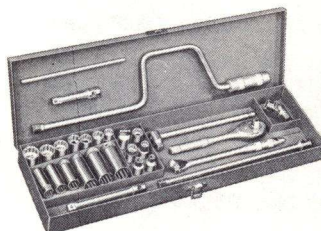
6 Point Deep Sockets—J-812, J-814, J-816, J-818, J-820, J-822, J-824, J-826. In Tray No. B654.

No. JA-60  $\frac{1}{2}$   $\frac{3}{8}$ " Square Drive Set (9 Pieces)

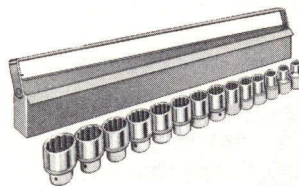
12 Point Sockets J-112, J-114, J-116, J-118, J-120, J-122, J-124; Flex Handle, "T" Handle Bar. In Box No. B601

No. JA-62  $\frac{1}{2}$   $\frac{3}{8}$ " Square Drive Set (14 Pieces)

12 Point Sockets—J-112, J-114, J-116, J-118, J-120, J-122, J-124; Reversible Ratchet, Flex Handle, Speeder Handle 17", Extensions 5" and 12"; "T" Handle Bar, Universal Joint. In Box No. B602.

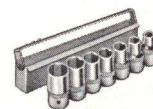
No. JA-65  $\frac{1}{2}$   $\frac{3}{8}$ " Square Drive Set (28 Pieces)

12 Point Sockets—J-112, J-114, J-116, J-118, J-120, J-122, J-124; 6 Point Sockets—J-608, J-610; 8 Point Sockets—J-212, J-214, J-216; 12 Point Deep Sockets—J-414, J-416, J-418, J-420, J-422, J-424; Reversible Ratchet, Flex Handle, Speeder Handle 17", Sliding "T" Handle, Extensions 3", 5" and 12"; "T" Handle Bar, Universal Joint, Drag Link  $\frac{1}{16}$ ". In Box No. B602.

S SERIES  $\frac{1}{2}$ " DRIVE SETS

**Set No. SA-50**  
(14 Pieces)

12 Point Sockets—S-112, S-114, S-116, S-118, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136, S-140. In Tray No. B850



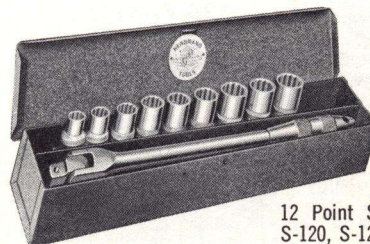
**Set No. SA-51 (7 Pieces)**

6 Point Sockets—S-612, S-614, S-616, S-618, S-620, S-622, S-624. In Tray No. B851.



**Set No. SA-52 (6 Pieces)**

12 Point Flex Sockets—S-316, S-318, S-320, S-322, S-324, S-326. In Tray No. B852.



**Set No. SB-71**  
(10 Pieces)

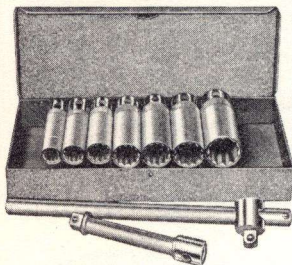
12 Point Sockets—S-114, S-116, S-118, S-120, S-122, S-124, S-126, S-128, S-130; Flex Handle 12". Metal Box B801.

**Herbrand Tools**



**HERBRAND TOOL SETS — 1/2" & 3/4" SQUARE DRIVE  
(DEEP SOCKET SETS & POWER SOCKET SETS)**

**1/2" DRIVE DEEP SOCKET SETS**



**Set No. DS-6 1/2  
(7 Pieces)**

12 Point Deep Sockets—DS-24, DS-26, DS-28, DS-30, DS-32, DS-36; "T" Bar. In Metal Box No. B810.

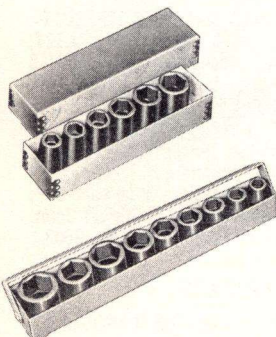
**Set No. DS-11 1/2  
(7 Pieces)**

12 Point Deep Sockets—DS-20, DS-22, DS-26, DS-28, DS-30, DS-32; "T" Handle Bar. Metal Box No. B810.

**Set No. DS-12 1/2  
(9 Pieces)**

12 Point Deep Sockets—DS-20, DS-22, DS-26, DS-28, DS-30, DS-32, DS-36; Sliding "T" Handle, 5" Extension. In Metal Box No. B811.

**1/2" SQUARE DRIVE POWER SOCKET SETS**



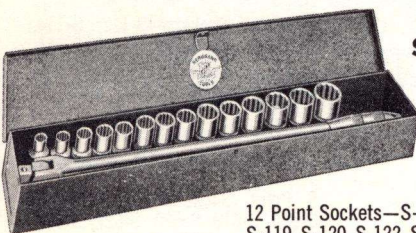
**Set No. PSB-6 (6 Pieces)**

Heavy Wall, 6 Point Power Sockets—PS-614, PS-616, PS-618, PS-620, PS-622, PS-624, Range 7/16" to 3/4". In fibre box.

**Set No. PSB-9 (9 Pieces)**

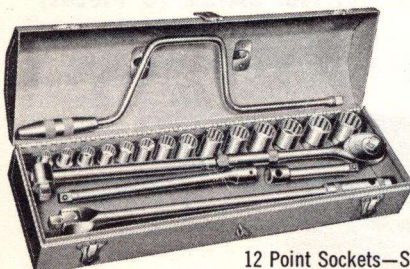
Heavy Wall, 6 Point Power Sockets with Special Protective Finish—PS-612, PS-614, PS-616, PS-618, PS-620, PS-622, PS-624, PS-626, PS-628, Range 3/8" to 7/8". In tray No. B857.

**1/2" SQUARE DRIVE STANDARD SOCKET SETS**



**Set No. SB-72  
(15 Pieces)**

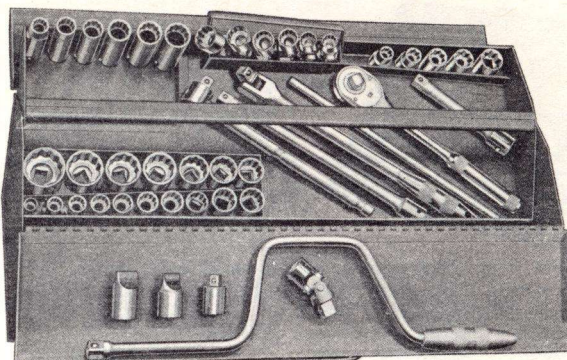
12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136; Flex Handle 18". In Box No. B802.



**Set No. SB-73  
(20 Pieces)**

12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136; Reversible Ratchet, Flex Handle 18", Speeder Handle 17", Sliding "T" Handle 11", Extension 5", Extension 10". In Box No. B806.

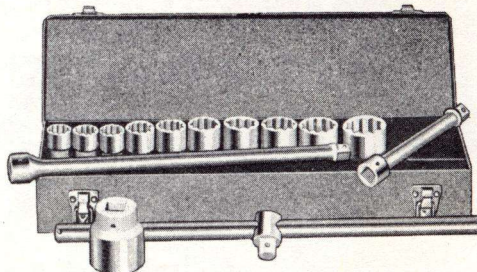
**1/2" DRIVE MASTER SOCKET SETS**



**Set No. SB-74 (43 Pieces)**

12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136, S-140; 8 Point Sockets—S-212, S-214, S-216, S-218, S-220; 12 Point Flex Sockets in Tray—S-316, S-318, S-320, S-322, S-324, S-326; 12 Point Deep Sockets—DS-16, DS-18, DS-20, DS-22, DS-24, DS-26; Socket Adaptor 1/2" to 3/8" Male, Reversible Ratchet, 12" Flex Handle, 17" Speeder Handle, 5" Extension, 10" Extension, Universal Joint, Drag Link Sockets—47/64", 15/16" Bar Handle, Sliding "T" Handle. In Metal Box No. B-902.

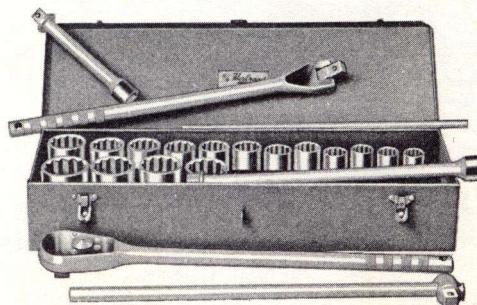
**3/4" SQUARE DRIVE HEAVY DUTY SOCKET SETS**



**Set No. HA-80 1/2 (14 Pieces)**

12 Point Heavy Duty Sockets—H-128, H-130, H-132, H-134, H-136, H-138A, H-140, H-144, H-146, H-148, H-152, range from 7/8" to 1 5/8"; Sliding "T" Handle—H-21; Extensions—H-29, H-31. In Metal Box B1201.

**Set No. HA-80** (Same in Fibre Box).



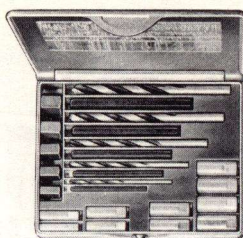
**Set No. HA-82 1/2 (22 Pieces)**

12 Point Heavy Duty Sockets—H-128, H-130, H-132, H-134, H-136, H-138A, H-140, H-142, H-144, H-146, H-148, H-152, H-156, H-158, H-160, H-164, range from 7/8" to 2"; Heavy Duty Handles; Reversible Ratchet—H-11; Flex Handle—H-15; Sliding "T" Handle—H-21; Extensions—H-29, H-31. In Metal Box No. B-1202.

**Set No. HA-82** (Same in Fibre Box).

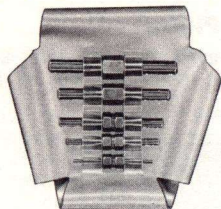


**TOOL SETS, HEX KEY SETS, SCREWDRIVER SETS  
CHISEL SETS AND SCREW EXTRACTOR SETS**



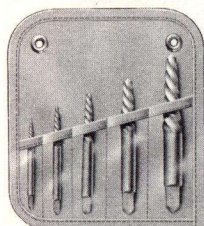
**No. XX10 Extractor Set  
(20 Pieces)**

Straight fluted extractor set in fitted die cast metal box. Contains 10 drill guides  $\frac{1}{32}$ " to  $\frac{1}{16}$ " O.D.; five extractors diameters  $\frac{1}{4}$ " to  $\frac{1}{16}$ ", each equipped with special hexagonal turning adaptor and five fractional drills  $\frac{1}{8}$ " to  $\frac{1}{32}$ ".



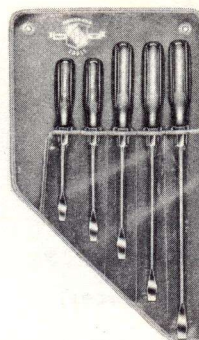
**No. XX5 Extractor Set  
(5 Pieces)**

Contains five straight fluted extractors, screw diameter  $\frac{1}{4}$ " to  $\frac{1}{16}$ ". With special hexagonal turning nuts. In fitted plastic kit.



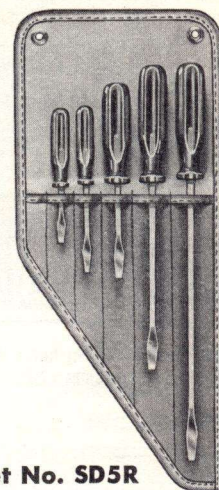
**No. X-5R Extractor Set  
(5 Pieces)**

Popular twist or screw type extractor set. Includes complete range of sizes.  $\frac{1}{8}$ " to  $\frac{3}{4}$ " capacity. In vinyl tool kit shown No. KX-5.



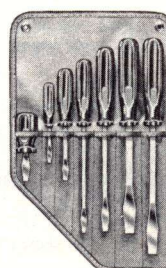
**Set No. 290R**

Includes one each—291, 292, 293, 294, 295. Hex Bolster Type. In Vinyl Tool Roll K-290.



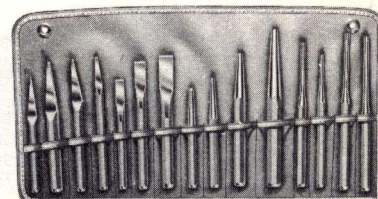
**Set No. SD5R**

Includes one each—310, 311, 312, 313, 314. In Vinyl Tool Roll KSD-5.



**Set No. SD7R**

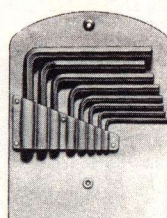
Includes one each—310, 312, 313, 315, 316, 319, 321. In Vinyl Tool Roll KSD-7.



**Set No. C-15R**

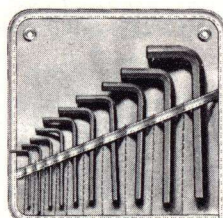
Includes one each—401, 402, 403, 410, 412, 421, 431, 443, 444, 445, 446, 451, 452, 453, 471. In Vinyl Tool Roll No. KC-15.

**ALLEN WRENCHES**



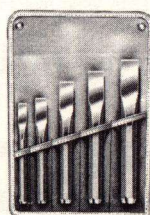
**Set No. AW80R  
(8 Pieces)**

Includes one each—AW-2½, 3, 4, 5, 6, 7, 8, 10. In Roll KAW-80.



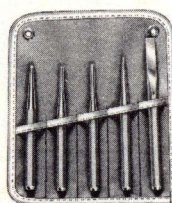
**Set No. AW100R  
(10 Pieces)**

Includes one each—AW-2, 2½, 3, 4, 5, 6, 7, 8, 10, 12. In Vinyl Tool Roll KAW-100.



**Set No. C-5R**

Includes one each—402, 403, 404, 405, 406. In Vinyl Tool Roll KC-5.



**Set No. C-10R**

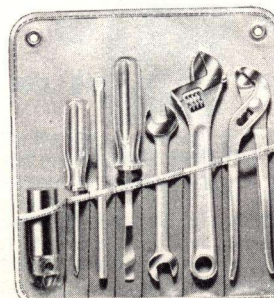
Includes one each—400, 440, 441, 450, 470. In Vinyl Tool Roll KC-10.

**CAR OWNERS SERVICE KIT**

**Set No. AO-700R (7 Pieces)**

A practical all around kit for the car, home, shop or farm. Each "Van-Chrome" tool fits perfectly into the clear plastic pockets of the new attractive vinyl tool roll.

Compact enough to fit in the glove compartment, it is always readily available for any emergency with a range of utility far beyond the average tool assortment.



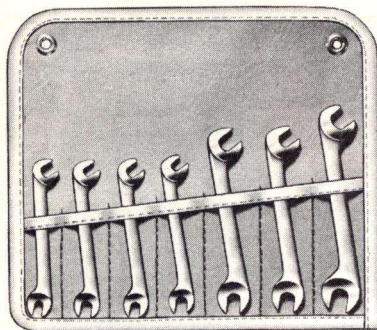
This handy set contains the following tools—

Adjustable Wrench—21-8; Adjustable Pliers—41-8; Screw Drivers—315-A, 361-P; Open End Wrench—1725-B; ½" Drive Deep Socket\*—DS-26; "T" Bar—DSH-6. In Vinyl Tool Roll KAO-700.

\*Other Deep Sockets may be specified.

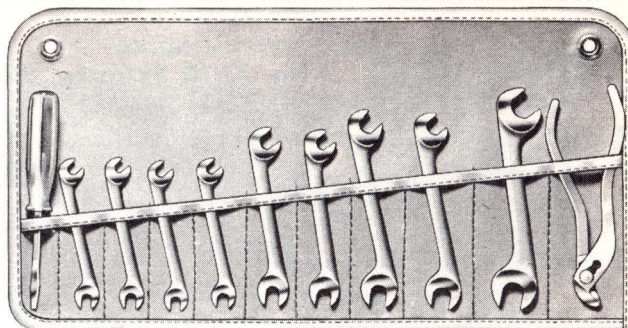


WRENCH SETS IN VINYL PLASTIC ROLLS



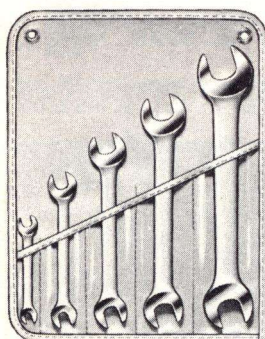
**Set No. 97R**  
**(7 Pieces)**

Ignition Wrench Set. Includes Wrenches Nos. 81, 82, 83, 84, 85, 86, 87. In vinyl tool roll as shown No. K-97



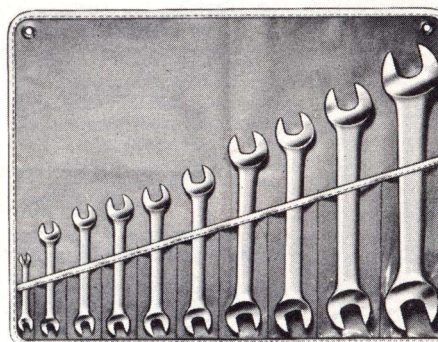
**Set No. 96R (11 Pieces)**

Complete Ignition Wrench Set. Includes Wrenches Nos. 81, 82, 83, 84, 85, 86, 87, 88 and 89; Screw Driver No. 310; Ignition Plier No. 160. In vinyl tool roll shown No. K-96.



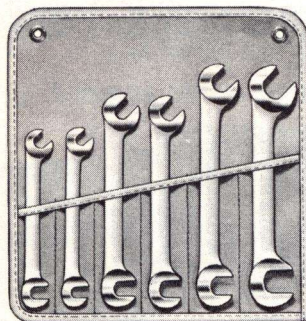
**Set No. 1750R**  
**(5 Pieces)**

Popular Open End Wrench Set. Contains 10 most used size openings from  $\frac{1}{4}$ " to  $\frac{7}{8}$ ". Includes Nos. 1021-S, 1723, 1725-B, 1027-B, 1731-A. In vinyl roll shown No. K-1750.



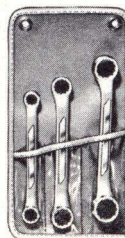
**Set No. 1760R (10 Pieces)**

Complete Open End Wrench Set. Provides size openings ranging from  $\frac{1}{4}$ " to  $1\frac{1}{4}$ ". Includes Nos. 1021-S, 1723, 1725, 1725-B, 1727, 1027-B, 1731, 1731-A, 1033-C, 1737. In vinyl tool roll shown No. K-1760.



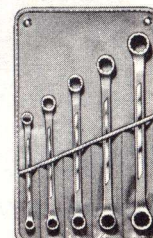
**Set No. 1836R**  
**(6 Pieces)**

Obstruction Wrench Set. Includes full range 45° to 90° offset size openings from  $\frac{3}{8}$ " to  $\frac{3}{4}$ ". Wrenches Nos. 1821, 1823, 1825, 1827, 1829, 1831. In vinyl tool roll shown No. K-1836.



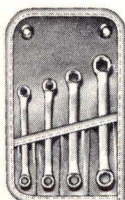
**Set No. 4920R**  
**(3 Pieces)**

Short Double Offset Box Wrench Set. 6 popular 12 Point openings  $\frac{3}{8}$ " to  $\frac{3}{4}$ ". Includes Wrenches Nos. 4923, 4925 and 4929. In vinyl tool roll shown No. K-4920.



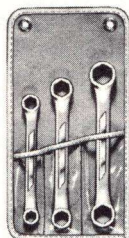
**Set No. 5920R**  
**(5 Pieces)**

Box Wrench Set 15° Angle Offset. Includes size range from  $\frac{3}{8}$ " to  $\frac{7}{8}$ ". Wrench Nos. 5923, 5925, 5927, 5929, 5931. In vinyl tool roll shown No. K-5920.



**Set No. 70R**  
**(4 Pieces)**

Midget Box Wrench Set. Includes Nos. 71, 72, 73, 74. In vinyl tool roll as shown No. K-70.



**Set No. 4620R**  
**(3 Pieces)**

Short Double Offset Box Wrench Set. 6 popular 6 Point openings  $\frac{3}{8}$ " to  $\frac{3}{4}$ ". Includes Wrenches Nos. 4623, 4625 and 4629. In vinyl tool roll shown No. K-4620.



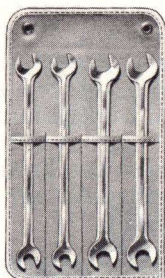
**OS-4 POCKET SIZE TOOL KIT SET**

**Set No. OS-4**  
**(3 Pieces)**

This handy 3-piece pocket tool kit set contains one each No. 310 Slot Screw Driver, No. 21-4 Adjustable Wrench, and No. 154 Midget Pliers in a vinyl plastic kit with snap cover. This set makes a very handy and useful gift. Each kit packed in telescoping attractive two color display box. Kit measures 3 x  $4\frac{3}{4}$ ". Weight per 10—3 lbs.

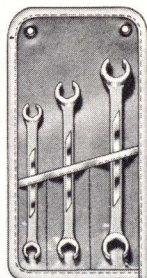


# WRENCH SETS IN VINYL PLASTIC ROLLS AND METRIC SETS



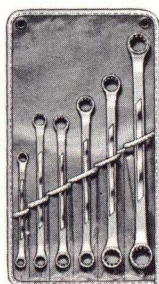
**Set No. T-40R**  
**15° Angle (4 Pieces)**

Popular Master Tappet Set. Includes most used tappet wrenches with sizes  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ " and  $\frac{11}{16}$ ". Contains 2 No. T-22 and 2 No. T-23. In vinyl kit shown No. K-40.



**Set No. 1320R**  
**(3 Pieces)**

Flare Nut Wrench Set. 6 most used openings  $\frac{3}{8}$ " to  $\frac{3}{4}$ ". Contains Wrench Nos. 1323, 1325 and 1327. In vinyl tool roll shown No. K-1320.



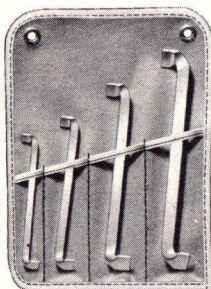
**Set No. 3901R**  
**(6 Pieces)**

Double Offset Box Wrench Set. Includes most popular sizes from  $\frac{3}{8}$ " to  $\frac{15}{16}$ ". Wrench Nos. 3923, 3925, 3927, 3929, 3931, 3933. In vinyl tool roll shown No. K-3901.



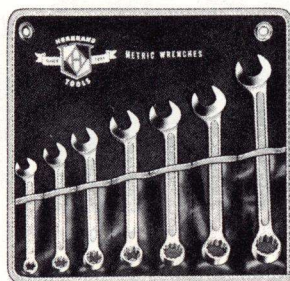
**Set No. 6821R**  
**(3 Pieces)**

Flexible Box Wrench Set. Multiple utility because of flexible heads. Sizes  $\frac{3}{8}$ " to Spc.  $\frac{3}{4}$ ". Includes Wrench Nos. 6823, 6825, 6827. In vinyl roll shown No. K-6821.



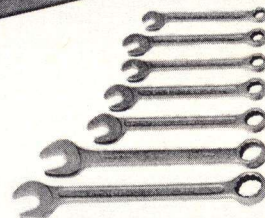
**Set No. 350R**  
**(4 Pieces)**

Offset Screw Driver Set. Popular 45° offset bits. Includes sizes  $\frac{3}{16}$ " to  $\frac{3}{8}$ ". Includes Nos. 351, 352, 353, 354. In tool roll shown No. K-350.



**Set No. 1290-MR**  
**Metric Wrenches**

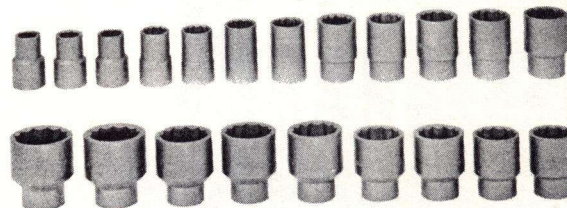
Includes the 7 most popular size metric wrenches. 1209M (9mm) 6-Pt., 1210M (10mm) 6-Pt., 1211M (11mm) 6-Pt., 1212M (12mm) 6-Pt., 1214M (14mm) 12-Pt., 1217M (17mm) 12-Pt., 1219M (19mm) 12-Pt.



**NO. JM-620  $\frac{3}{8}$ " SQUARE DRIVE SET (16 pieces)**

This new set of Herbrand Metric Sockets and Combination Wrenches covers the most popular range of sizes necessary for servicing foreign cars. Made of finest forged steel alloy. Steel chrome plated. Wrenches with fully polished heads.

Includes seven regular length 6 pt. sockets: JM-609 (9MM), JM-610 (10MM), JM-611 (11MM), JM-612 (12MM), JM-614 (14MM), JM-617 (17MM), JM-619 (19MM), and seven metric combination wrenches 1209M (9MM), 1210M (10MM), 1211M (11MM), 1212M (12MM), 1214M (14MM), 1217M (17MM), and 1219M (19MM), with socket tray No. B-651 and box B-801 stenciled with "METRIC".



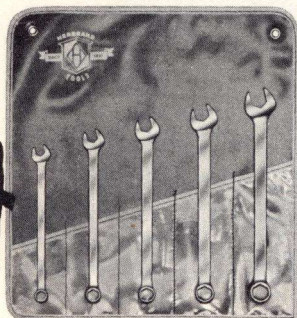
**NO. SM-133  $\frac{1}{2}$ " SQUARE DRIVE SET (22 pieces)**

Set No. SM-133 contains the full line of Herbrand hot forged alloy steel thin wall metric sockets to cover all jobs of foreign cars requiring millimeter size sockets. Includes 21 sockets SM-111 (11MM), SM-112 (12MM), SM-113 (13MM), SM-114 (14MM), SM-115 (15MM), SM-116 (16MM), SM-117 (17MM), SM-118 (18MM), SM-119 (19MM), SM-120 (20MM), SM-121 (21MM), SM-122 (22MM), SM-123 (23MM), SM-124 (24MM), SM-125 (25MM), SM-126 (26MM), SM-127 (27MM), SM-128 (28MM), SM-129 (29MM), SM-130 (30MM), SM-132 (32MM), and box No. B-801 stenciled with "METRIC".



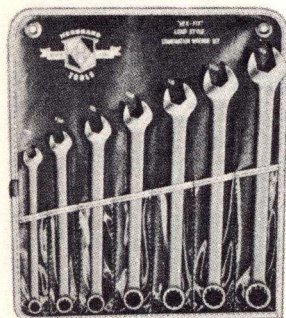
# "HEX-FIT" WRENCH SETS IN VINYL PLASTIC ROLLS

## LONG SERIES



**SET NO. 1290LR**  
**(5 Pieces, 6-Point)**

"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{2}$ ". Contains Nos. 1212LH, 1214LH, 1216LH, 1218LH, and 1220LH in vinyl roll K-1290. Set No. 1290LB (Same set in fiber box only).



**SET NO. 1293LR**  
**(7 Pieces, four 6-Point, three 12-Point)**

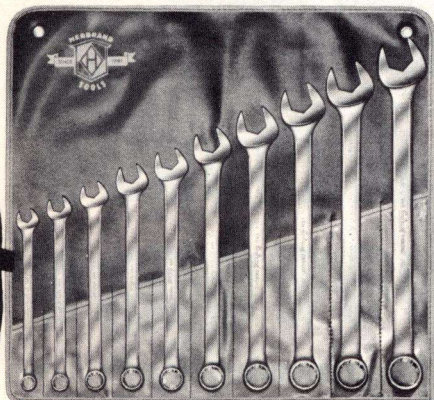
"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{2}$ ". Contains Nos. 1212LH, 1214LH, 1216LH, 1218LH, 1220L, 1222L, and 1224L in vinyl roll K-1291. Set No. 1293LB (same set in fiber box only).

**SET NO. 1291LR**  
**(7 Pieces, 6-Point)**

"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{2}$ ". Contains Nos. 1212LH, 1214LH, 1216LH, 1218LH, 1220LH, 1222LH and 1224LH in vinyl roll K-1291. Set No. 1291LB (same set in fiber box only).

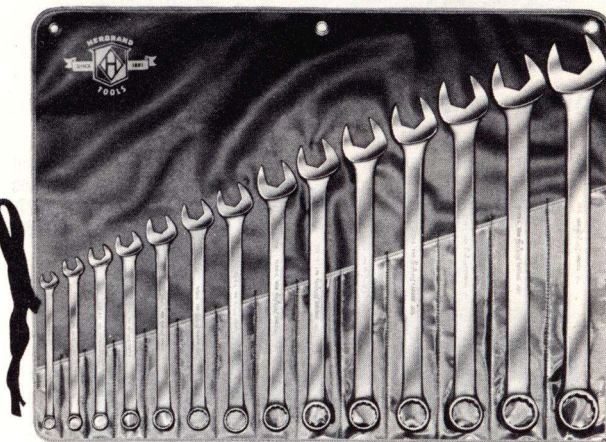
**SET NO. 1292LR**  
**(7 Pieces, 12-Point)**

"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{2}$ ". Contains Nos. 1212L, 1214L, 1216L, 1218L, 1220L, 1222L, and 1224L in vinyl roll K-1291. Set No. 1292LB (same set in fiber box only).



**SET NO. 1294LR**  
**(10 Pieces, 12-Point)**

"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{7}{16}$ " to 1". Contains Nos. 1214L, 1216L, 1218L, 1220L, 1222L, 1224L, 1226L, 1228L, 1230L, and 1232L in vinyl roll K-1294. Set No. 1294LB (same set in fiber box only).

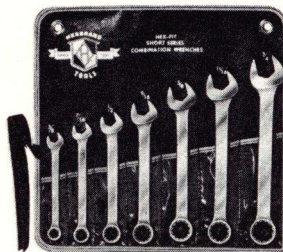


## MASTER COMBINATION SET

**NO. 1296LR**  
**(14 Pieces, 12-Point)**

"Hex-Fit" long series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{4}$ ". Contains Nos. 1212L, 1214L, 1216L, 1218L, 1220L, 1222L, 1224L, 1226L, 1228L, 1230L, 1232L, 1234L, 1236L, and 1240L in vinyl roll K-1296. Set No. 1296LB (same set in fiber box only).

## SHORT SERIES



**SET NO. 1285SR**  
**(7 Pieces, four 6-Point, three 12-Point)**

"Hex-Fit" short series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{4}$ ". Contains Nos. 1212SH, 1214SH, 1216SH, 1218SH, 1220S, 1222S, and 1224S in vinyl roll K-1283S. Set No. 1285SB (same set in fiber box only).

**Set NO. 1283SR**  
**(7 Pieces, 6-Point)**

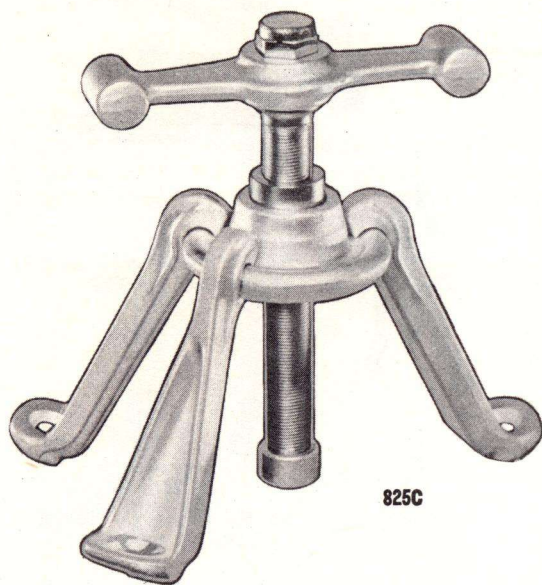
"Hex-Fit" short series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{4}$ ". Contains Nos. 1212SH, 1214SH, 1216SH, 1218SH, 1220SH, 1222SH, and 1224SH in vinyl roll K-1283-S. Set No. 1283SB (same set in fiber box only).

**SET NO. 1284SR**  
**(7 Pieces, 12-Point)**

"Hex-Fit" short series combination wrench set. Includes size range from  $\frac{3}{8}$ " to  $\frac{1}{4}$ ". Contains Nos. 1212S, 1214S, 1216S, 1218S, 1220S, 1222S, and 1224S, in vinyl roll K-1283S. Set No. 1284SB (same set in fiber box only).



# HERBRAND "VAN-CHROME" WHEEL PULLERS UNIVERSAL WHEEL PULLER — BEARING SEPARATOR



825C

## UNIVERSAL WHEEL HUB PULLER

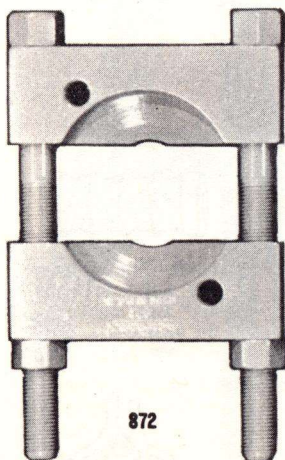
The most practical and versatile hub puller made. Sliding puller arms *quickly and easily adjust to fit any type hub*. Because of unique arm suspension a straight pull is made on all size bolt circles up to and including 7½" in diameter. The heavy duty forcing screw rides in a sliding bearing to permit use of bumping action on screw drive end or drive handle without damage to the threads. The floating cap on the contact end of the screw centers on the axle and, by its action, prevents injury to the axle or the puller screw. All alloy steel construction for added ruggedness and long life. Finished in all satin plate.

**825C Puller Set.** As pictured with drive handle; weight each—11¼ lbs.

**825 Puller.** Without 825H drive handle; weight each—9¼ lbs.

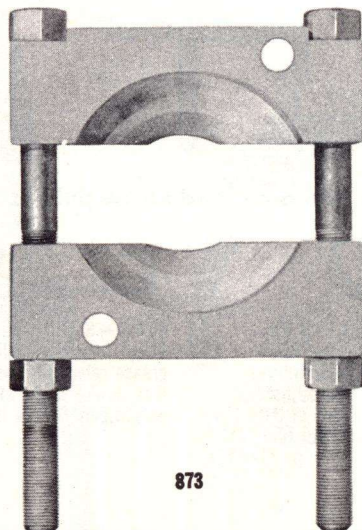
**825H Drive Handle.** Use hammer on driving faces to increase power on forcing screw; weight each—2 lbs.

## HERBRAND BEARING SEPARATOR— PULLER ATTACHMENT



872

5¾" Long x 3½" Wide



873

9" Long x 6" Wide

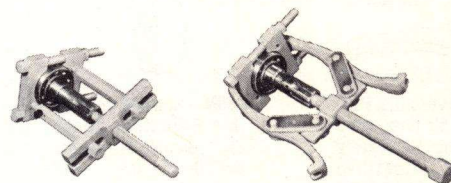
**No 872 BEARING SEPARATOR PULLER.** This attachment is designed for removing generator gears, bearings, bearing cones and similar parts where these parts are placed so close to a housing or other obstruction that a separator-puller is required. The knife edges are flush on one side to get behind the work for easy pulling. Use with Herbrand "Quick-Lock" jaw pullers or cross-arm pullers as shown above.

**872 Bearing Separator Puller.** Capacity up to 2¼" O.D. Weight 1¾ lbs.

**873 Bearing Separator Puller.** Capacity up to 4¼" O.D. Weight 6½ lbs.

Herbrand Van Chrome pullers are engineered to service all usual automotive requirements. The wide range of application of these pullers is further extended by the interchangeability of the various puller components so that a maximum number of puller combinations can be built up from the minimum possible number of parts. This, together with their ease of use, speed in adjusting, safety and long service life make Herbrand pullers the favorite of mechanics everywhere.

## Illustrations showing Separator-Puller in use

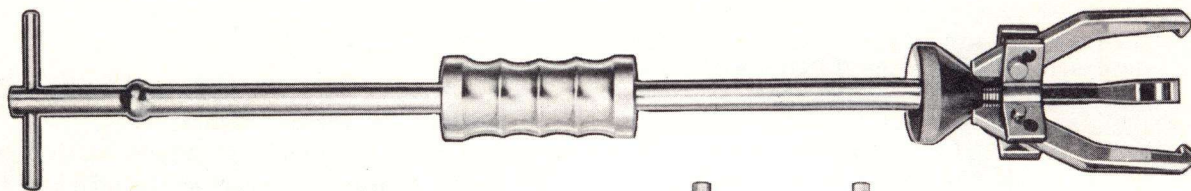


The illustrations above show the application of the Herbrand Separator-Puller Attachment as used with Herbrand No. 861 cross-arm puller (left) or with Herbrand No. 831, "Quick-Lock", reversible jaw puller (right) to get behind a bearing or untapped gear where ordinary puller jaws will not reach.

**Herbrand Tools**

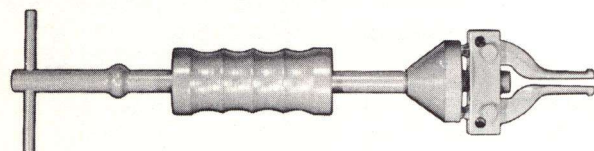


# HERBRAND "VAN-CHROME" WHEEL PULLERS SLIDE HAMMER PULLERS

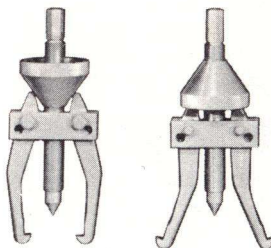


No. 866—24" SLIDE HAMMER shown above has a 3-way yoke, reversible for inside or outside pulling. The fully interchangeable parts make up a wide range of 2-way or 3-way pullers with jaws reversible for inside or outside pulling. The slide hammer may be removed and forcing screw 868S added to make up screw type pullers as shown below.

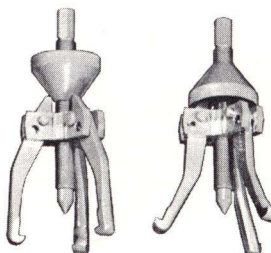
**866**—As shown includes 866E, 866H, (3) 866J, 866N, (3) 866P, 866S and 866Y; all alloy steel, drop forged for strength and safety. Bright chrome plated. Capacity 0-5" O. D., 1¼"-6" I.D.; weight—7¼ lbs.



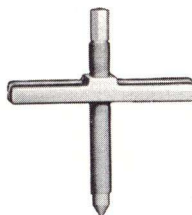
No. 867—14" PILOT BEARING PULLER. Removes flywheel pilot bearings, motor and generator bearings and blind recessed bearings. Capacity ½"—1½"; weight 5¼ lbs. Mechanics already having 866 Slide Hammer need add only 866B and (2) 867J to make pilot bearing puller.



No. 858 includes 866B, (2) 866J, 866N, (2) 866P and 868S.



No. 868 includes (3) 866J, 866N, (3) 866P, 866Y and 868S.

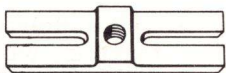


No. 869 includes 866C and 868S.

These interchangeable parts make up the slide hammers and screw pullers shown on this page.



**866B**—2-way cross arm, 2½" long, 2 pair of jaw pivot holes provide each arm parallel jaw alignment with greater strength; weight per 10—3¼ lbs.



**866C**—Deep slotted cap screw cross arm, 6" long. Use in pulling gears, pulleys, etc.; weight per 10—11¼ lbs.



**866E**—Ball Tip Expander, fits end of 866S or 867S for small internal pulling. Easy adjustment with a turn of the handle; weight per 10—¼ lb.



**866G**—Single Jaw, 2½" long, for pulling grease retainers, bushings, brake work, etc.; weight per 10—2½ lbs.



**866H**—Sliding Hammer, with form fit grip, 4½" long; weight 2¼ lbs. each.



**866J**—Reversible Puller Jaws 5" long, drop forged and accurately machined for positive adjustment; weight per 10—2½ lbs.



**866N**—Knurled reversible Adjusting Cone, 2¼" diameter; weight per 10—6½ lbs.



**866P**—Push Pull Pin to hold jaws in place. Lock ball action with knurled head; weight per 10—¾ lb.



**866S**—T-Handle Puller shaft 24" long with forged no-pinch safety stop; weight per 10—21¼ lbs.



**866Y**—3 way yoke for 3 jaw pulling. Two staggered holes for each arm giving greater range and adaptability; weight per 10—4¾ lbs.



**867J**—Pilot Bearing Puller Jaw drop forged and milled to insure grip on blind recessed bearings. Weight—1¼ lbs.



**867S**—T-Handle puller shaft, 14½" long with forged no-pinch safety stop; weight per 10—13¼ lbs.



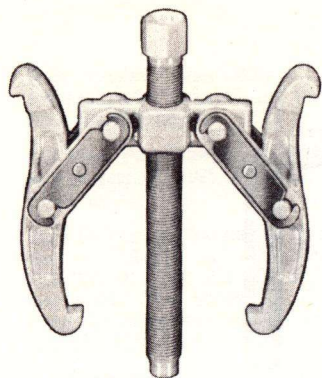
**868S**—Hex Head Puller Screw, 6¾" long with floating centering tip; weight per 10—4½ lbs.



**868T**—Replacement centering tip for 868S screw, push pull design; weight per 10—½ lb.

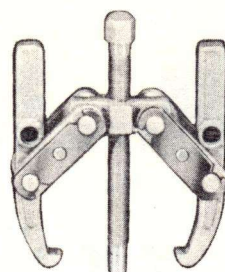


# HERBRAND "QUICK-LOCK" PULLERS



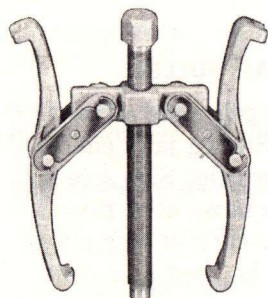
**830**

6" reversible jaw puller, 3½" reach, 6" spread. Designed for maximum safety and utility. Has wide and narrow face jaws for variety of applications. Buttress threaded forcing screw. Weight—1½ lbs.



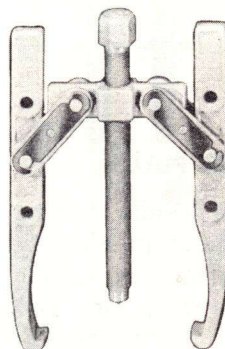
**832**

4" adjustable straight jaw puller, 3½" reach, 4" spread. For removing magneto and generator bearings and gears. Ideal for electric motor and refrigeration applications and all light and medium duty pulling. Weight—¾ lbs.



**831**

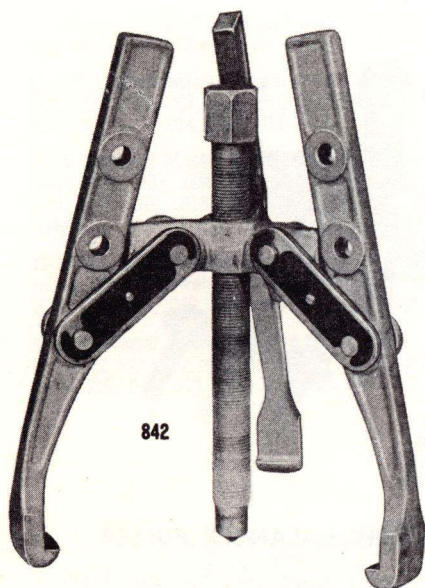
8" reversible jaw puller, 5½" reach, 8" spread. Heavy duty type for automotive and industrial uses. Has slotted jaws for cap screw pulling of tapped gears and pulleys. Forcing screw has buttress threads. Weight—3¼ lbs.



**833**

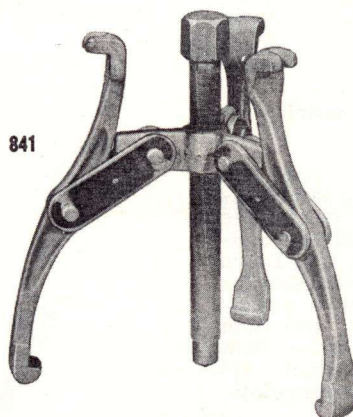
10" adjustable straight jaw puller, 9" reach, 10" spread. Adjustable effective reach—3 positions—makes this a multi-use tool for flywheel, gear and pulley removal. Buttress threads on forcing screw. Weight—4¾ lbs.

## New 3 Jaw Pullers



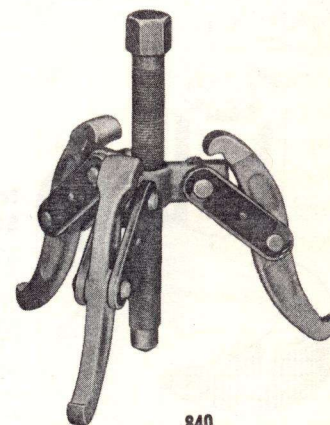
**842**

No. 842—(3) Jaw—10" Puller—9" reach, 10" spread (has 3 positions for multipurpose use) wt. one only 6½ lbs.



**841**

No. 841—(3) Jaw—8" Puller—5½" reach, 8" spread—wt. one only—5 lbs.

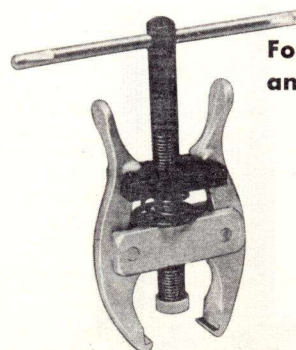


**840**

No. 840—(3) Jaw—6" Puller—3½" reach, 6" spread—wt. one only—2¾ lbs.

## NEW PULLER

### For Battery Terminal Clamps and Ford Generator Bearings



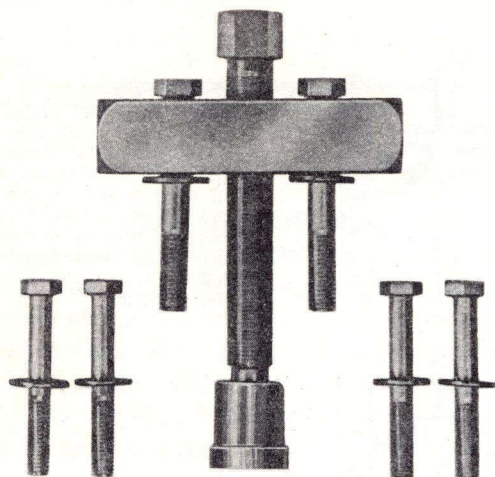
No. 829 Battery Terminal Clamp and Ford Generator Bearing Puller—Weight per 10—4¾ lbs.

The No. 829 Battery Terminal Clamp Puller is of the two jaw design for removing badly corroded battery cable clamps and small generator bearings. The jaws are designed to grip below the cable clamp. Actual tests have proven this design tool to remove battery cables faster and without damage to either battery or cable.

These manually operated, reversible jaw pullers are now available in 6", 8", or 10" capacity and can be converted from (3) jaw to (2) jaw work by changing the yoke. Excellent tools for pulling fly wheels, pulleys, bearings and gears. All have reversible jaws—"Quick-Lock" linkage permits the adjustment, reversal or removal of puller jaws in seconds. Heavy duty applications—Forcing screw has buttress threads—all puller forgings are special alloy steel with cadmium plate finish.

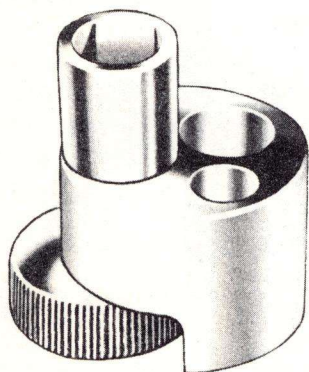


**HERBRAND "VAN-CHROME" PULLERS**  
**WHEEL PULLER, TIMING GEAR PULLER, STUD PULLERS**



**NO. 835 STEERING WHEEL PULLER**

A 2-way puller with capacity to handle steering wheels tapped on  $3\frac{1}{2}$ " centers, maximum. Floating tip on forcing screw prevents damage to steering tube. Includes 3 pairs of side screws: One pair  $\frac{5}{16}$ "-18" x 4", One pair  $\frac{5}{16}$ "-24" x  $3\frac{1}{2}$ ", One pair  $\frac{3}{8}$ "-16" x 4".



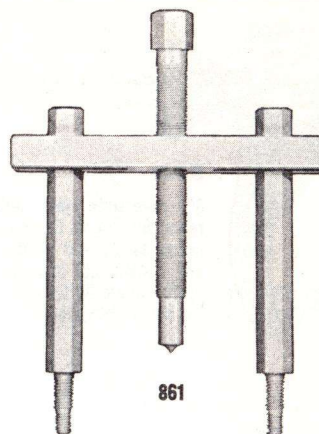
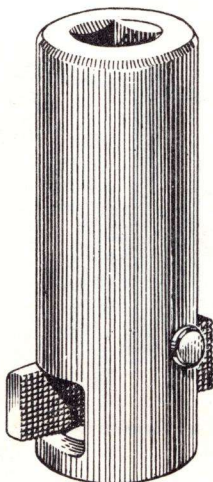
**No. 820 Eccentric Stud Puller**

Newly engineered and designed for greater efficiency. The eccentric wheel is readily reversible for double life. Drive member is detachable for use as  $\frac{1}{2}$ " drive extension 1" long; precision cut teeth release stud

easily; all alloy steel construction. Capacity  $\frac{1}{4}$ " to  $\frac{3}{4}$ " stud;  $\frac{1}{2}$ " square drive. Bright chrome plate; weight—1 $\frac{1}{8}$  lbs.

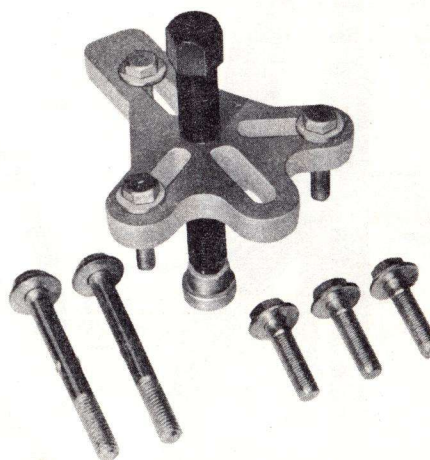
**No. 821 Wedge Stud Puller and Setter**

Adaptable to both power and hand use, the wedge type stud tool requires but a small turning radius. A single specially serrated tapered wedge tightens grip as pressure is applied yet releases easily. Handles studs up to  $\frac{9}{16}$ " diameter. All alloy steel construction, chrome plated finish.  $\frac{1}{2}$ " square drive;  $1\frac{5}{8}$ " diameter;  $3\frac{1}{2}$ " long; weight per 10 pcs.—9 lbs.



**NO. 861 TIMING GEAR PULLER**

A handy tool for pulling timing gears and all other gears that have tapped holes. Sliding jaws enable the tool to handle gears of all widths. Side screws are machined for use with the most used thread sizes— $\frac{3}{8}$ "-16 and  $\frac{5}{16}$ "-18. By using standard sizes of cap screws, this puller can be used as a combination tool for pulling fan pulleys, cam gears and other gears with tapped holes. Center and side screws 6 $\frac{1}{2}$ " long. Weight 2 $\frac{1}{2}$  lbs.



**NO. 863 HARMONIC BALANCER PULLER**

This puller is specifically designed to pull harmonic balancer flanges, pulleys and tapped gears in a variety of sizes. The puller is of the yoke design with 4  $1\frac{1}{2}$ " slots to increase its versatility and for specific use on Chevrolet from 1959 which requires a 3 screw puller. 5 $\frac{1}{2}$ " forcing screw has floating tip for positive centering. Three sets of cap screws are supplied to increase range of utility. Cap screw dimensions are as follows: One set of two  $\frac{3}{8}$ "-16 x  $\frac{3}{4}$ ", one set of three  $\frac{3}{8}$ "-24 x  $1\frac{3}{4}$ " and one set of three  $\frac{5}{16}$ "-24 x  $1\frac{3}{4}$ ". Bright finish. Weight 1 $\frac{1}{4}$  lbs.



# HERBRAND FEELER GAUGES

**G-5A** Contains 7 offset blades .018, .019, .020, .021, .024, .025, .026 and 4 straight blades .015, .016, .018 and .019. Designed to clear hot manifolds while adjusting tappets.

**G-7 Spark Plug Wire Gauge.** Contains one electrode bender and eight wire gauges: .022, .025, .028, .030, .032, .035, .038 and .040; weight per 10— $\frac{3}{4}$  lb.

**G-8A Ford Gauge.** Contains 13 "go & no-go" blades  $3\frac{3}{16}$ " x  $\frac{1}{2}$ " with  $\frac{5}{16}$ " step in: .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021, .021-.023, .024-.026, .025-.027; four ignition taper blades .015, .016, .020, and .025; two straight wire feelers for voltage regulator cut out .017 and .030; three spark plug gap bent wire feelers .025, .028, .035; and one electrode bender.

**G-9 Piston Gauge.** Contains eight 9" x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .008, .010 and .015; weight per 10— $1\frac{1}{4}$  lbs.

**G-10 Standard Feeler Gauge.** Contains ten  $3\frac{3}{16}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .007, .008, .010, .012 and .015; weight per 10— $\frac{7}{8}$  lb.

**G-11A Ignition Gauge.** Contains 16  $1\frac{1}{16}$ " x  $\frac{1}{4}$ " blades: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, and .032.

**G-12A Chevrolet Gauge.** Contains 8  $3\frac{5}{16}$ " x  $\frac{1}{2}$ " blades: .006, .007, .008, .010, .012, .013, .015, and .020; 4  $3\frac{5}{16}$ " by  $\frac{1}{4}$ " ignition taper blades, .016, .018, .020, .022; 3 spark plug bent wire gauges: .032, .035, and .040; and 1 electrode tool.

**G-13A Delco-Remy Distributor Gauge.** Contains 12 blades  $1\frac{3}{4}$ " x  $\frac{1}{4}$ ", Special width, for point adjustment: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, and .025.

**G-14 Brake Gauge.** Contains nine 4" x  $\frac{1}{4}$ " blades: .002, .004, .005, .006, .007, .008, .010, .012 and .015; weight per 10— $\frac{1}{2}$  lb.

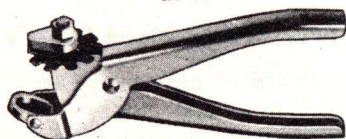
**G-20A Combination Gauge.** Contains 10  $3\frac{5}{16}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .007, .008, .010, .013 and .015; twelve  $1\frac{3}{8}$ " x  $\frac{1}{4}$ " fingers: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022 and .025.

**G-25 Universal Master Gauge.** Contains twenty-five  $3\frac{5}{16}$ " x  $\frac{1}{2}$ " blades: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032 and .035; weight per 10— $2\frac{1}{2}$  lbs.

**G-26 Special Carburetor Gauge.** For anti-percolator and fast idle adjustments. Contains twelve straight wire gauges: .010, .012, .015, .018, .020, .023, .026, .030, .040, .045, .053 and .054; weight per 10— $\frac{5}{8}$  lb.

**G-27 Universal Overhead Valve Gauge.** Contains 16 blades offset to 45° angle for adjusting on all overhead valve engines: .009, .010, .011, .014, .015, .016, .017, .018, .019, .020, .021, .023, .024, .025, .026, and .027.

GT-10

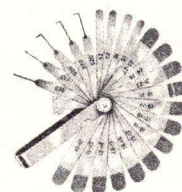


**GT-10 Spark Plug Gapping Tool.** New improved design for fast, accurate automatic setting of 10 thru 14 MM spark plugs. Revolving gauge accurately sized for normal spring back. Every plug set exactly the same. Handle slotted to spread electrode. Sizes include: .022, .025, .026, .028, .030, .032, .035, .036, .038 and .40; weight per 10— $8\frac{1}{4}$  lbs.

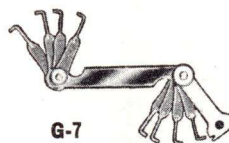
**Replacement Blades.** Available in following sizes, six blades to the package: G0015-G002, G003-G020, G021-G040, GL0015-GL1002, GL003-GL020, GL021-GL040.



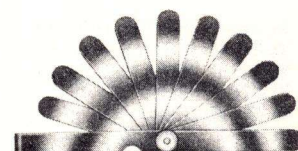
G-5A



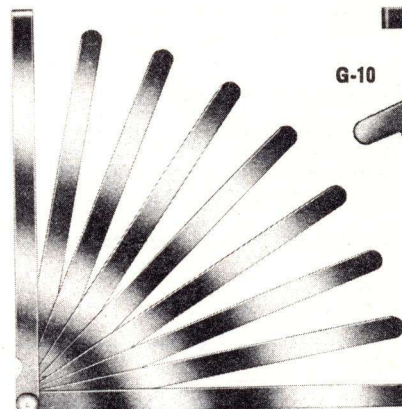
G-8A



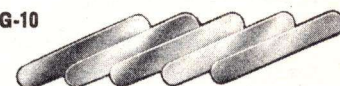
G-7



G-9



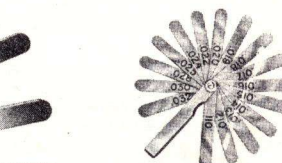
G-10



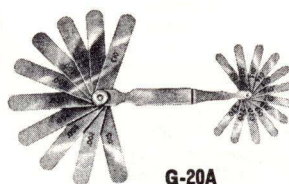
G-11A



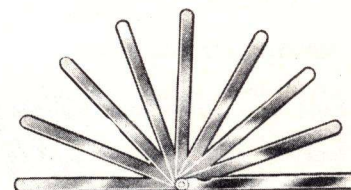
G-13A



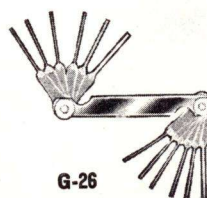
G-12A



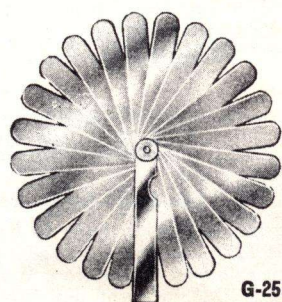
G-20A



G-14



G-26

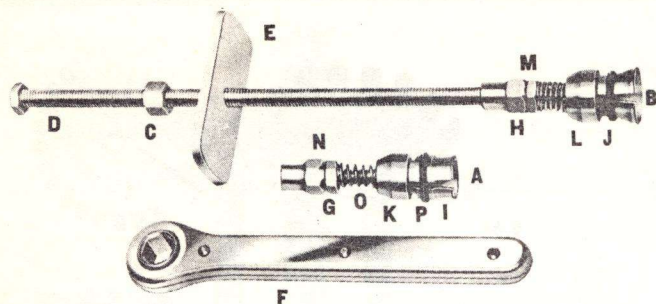


G-25



G-27

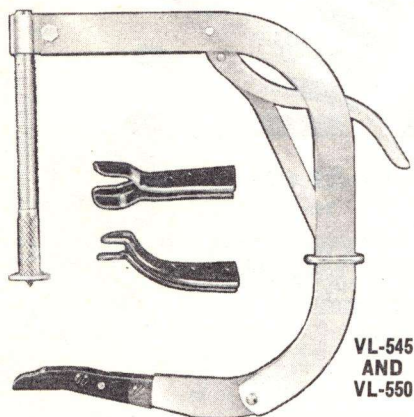




- |                               |                                  |
|-------------------------------|----------------------------------|
| VL-525-A (Small Puller Head)  | VL-525-I (Jaw Set—Small)         |
| VL-525-B (Larger Puller Head) | VL-525-J (Jaw Set—Large)         |
| VL-525-C (Drive Nut—Upper)    | VL-525-K (Collar—Small)          |
| VL-525-D (Stud)               | VL-525-L (Collar—Large)          |
| VL-525-E (Plate)              | VL-525-M (Cone Stud Nut—Small)   |
| VL-525-F (Ratchet)            | VL-525-N (Cone Stud Nut—Large)   |
| VL-525-G (Cone Stud—Small)    | VL-525-O (Comp. Spring—Both)     |
| VL-525-H (Cone Stud—Large)    | VL-525-P (Ext. Coil Spring—Both) |

### No. VL-525 Hydraulic Valve Lifter Unit

Complete tool for quick, efficient removal of any hydraulic valve lifter from straight or "V" type engine. Unnecessary to remove camshaft — pulls from top of engine. Completely assembled unit is 12" long. Weight per 10 units—10½ lbs.  
(Unit is not guaranteed against damage of any description.)



### "C" Type Valve Lifters

Deep throat lifters, designed to service O.H.V. and L-head engines without manifold removal. Positive adjustment to valve length, slide locks compressed spring leaving both hands free. Use with VL-530 replacer. Each lifter includes 3 pair jaws listed below.

VL-545 Height 11¼", width 8½", weight 4½ lbs.

VL-550 Standard. Height 10¼", width 9½", weight 7 lbs. each.

VL-551 Straight Jaws. Capacity 1"-1¼"; weight ¼ lb.

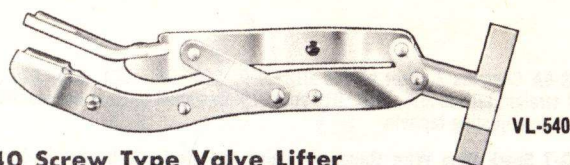
VL-552 Large Straight Jaws. Capacity 1½"-2½"; weight ¼ lb.

VL-553 High Offset Jaws. Capacity 1-1¼"; weight ¼ lb.



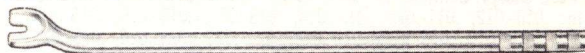
### VL-530 Split Lock Replacer

The handiest tool made to hold and position valve stem split locks. Holds locks so firmly they cannot drop out until released in position. Works easily in smallest area. O.A.L. 8¼"; weight per 10—2-3/16 lbs.



### VL-540 Screw Type Valve Lifter

Short, compact and rugged, this lifter is recommended for all L-Head engines using straight valve stems. Length 9"; weight per 10—13¼ lbs.



### No. 2365 Ford Valve Lifter

2365

New improved design to cover all model Ford valve service work. Fork end especially constructed to handle both the 60 and 85 series engines. Jaw opening 33/64"; O.D. Head 1⅝"; O.A.L. 24"; weight per 10—24 lbs.



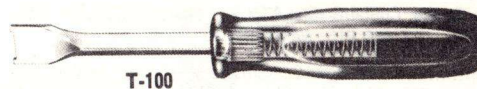
### No. 349 Piston Ring Groove Cleaner

Fits all pistons up to 6" diameter. Cutter wheel has blade sizes: 3/32", ⅛", 5/32" and 3/16". Length 11¼"; weight per 10—2-11/16 lbs.

### No. S-80C Caster Camber Wrench

No. S-80C Fits 1953-54 Pontiac and 1953-54 Cadillac.

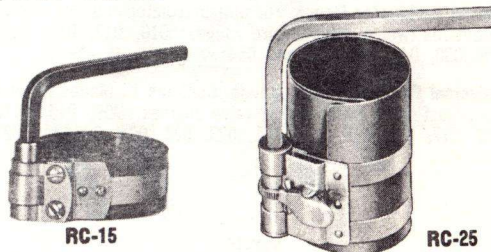
Opening 1⅝", ½" square drive; weight per 10—4½ lbs.



T-100

### No. T-100 Tappet Adjuster

Especially designed for overhead valves. The spring loaded blade moves freely inside handle to permit user's hand to remain steady when engine is in operation. Notched tip keeps blade from slipping off the adjustment screw. O.A.L. 7"; weight per 10—1⅞ lbs.



RC-15

RC-25

## PISTON RING COMPRESSORS

Positive, non-slip ratchet action. Outer tension bands maintain equalized pressure.

**RC-15 Piston Ring Compressor.** Capacity 2½" to 5" diameter. Narrow lane (1" wide) RC-15 for fast ring installation in new type pistons, Chevrolet, Ford, Lincoln and Mercury since 1955 and other makes, 1956 and later.

**RC-25 Single Band Friction Brake.** Capacity 1½" to 3"; 2" deep; weight per 10—3½ lbs.

**RC-50 Two Band Ratchet Brake.** Capacity 2½" to 5"; 3½" deep; weight per 10—7⅞ lbs.

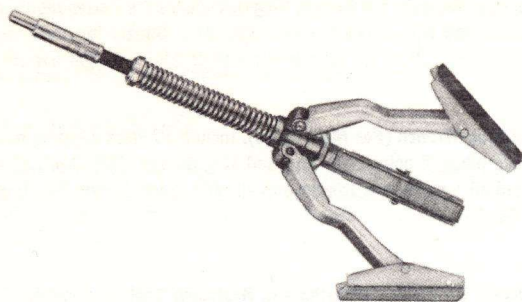
**RCT-50 Two Band Ratchet Brake.** Capacity 3½" to 7"; 3½" deep; weight per 10—8½ lbs.

**RCT-150 Four Band Ratchet Brake.** Capacity 3½" to 7"; 6½" deep; weight per 10—16⅞ lbs.



## CYLINDER DEGLAZING HONES, BRAKE HONE

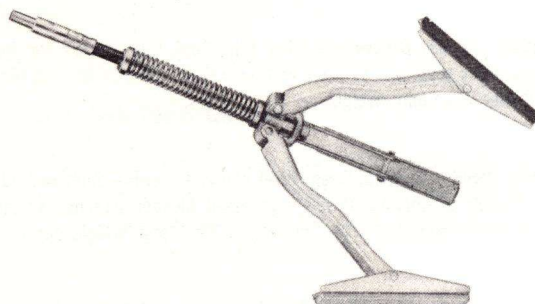
NO. CH-61



The Herbrand line of cylinder hones includes all necessary hones for deglazing cylinders of automobiles, small and large trucks, busses, tractors, industrial engines, and light engines of all types.

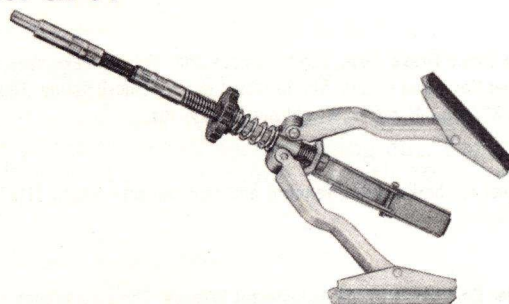
The CH-61 deglazing hone is pre-set with a built-in spring tension that applies the abrasive-stones to the cylinder walls for correct deglazing action. The CH-61 deglazing hone is designed for use in cylinders of from 2" to 5 1/4" diameter.

NO. CH-62



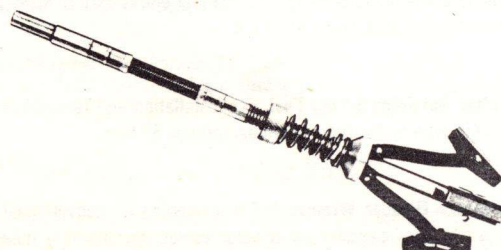
The CH-62 deglazing hone is pre-set and compact in design similar to the CH-61, but with a wider range of from 2" to 7 1/4" diameter for use on large trucks and industrial applications.

NO. CH-64



The new Herbrand CH-64 cylinder deglazing hone is the ideal fully adjustable hone for servicing automotive, small truck, bus, tractor, and small air-cooled aircraft and outboard engines. This bottoming type hone has a range of from 2" to 5 1/4" diameter. Its flexibility and range make it an ideal all-purpose tool for most applications.

NO. CH-63

**NO. CH-63 BRAKE CYLINDER HONE**

An all-purpose 280 grit hone for all brake cylinder and small engine cylinder resurfacing. Capacity 3/4" to 2 1/4" diameters. Will bottom in blind holes and recondition Step-Cut cylinders. Is self-centering and self-aligning. Drive with any electric drill, 1/4" high speed preferred. Grinding head carries 3—280 grit stones.

**CH-63R** Stone Set, 3—280 grit stones. Flexible drive and stones for CH-63 are NOT guaranteed against damage of any description.

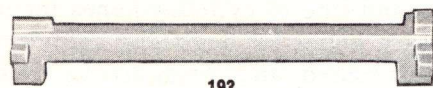
**REPLACEMENT STONES AND FELTS**

Replacement stones and felts are available for all Herbrand cylinder deglazing hones. Stones and felt are attached to hone body by pin and cotter key, making replacement simple and quick.

HONE NO.	220 GRIT	400 GRIT
CH-61	CH-61C	CH-61F
CH-62	CH-62C	CH-62F
CH-64	CH-61C	CH-61F

**Herbrand Tools**

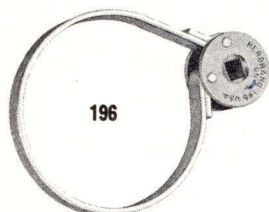




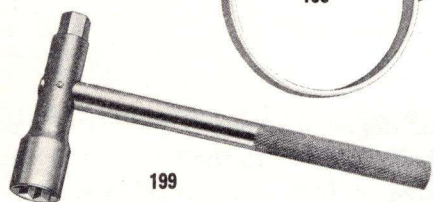
193



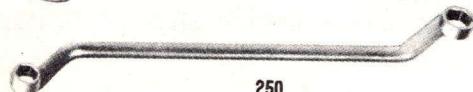
194



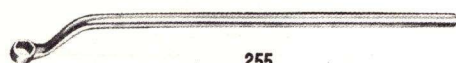
196



199



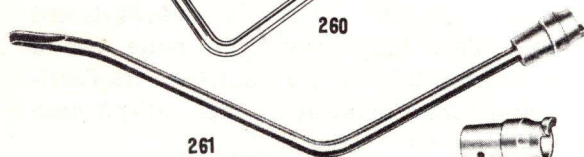
250



255



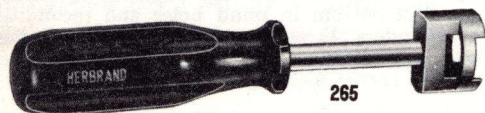
260



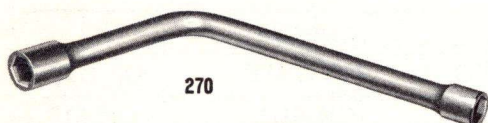
261



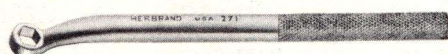
262



265



270



271

**193 Drain Plug Wrench (For Female Plugs).** Includes the 7 sizes required to service most cars and trucks. Drop forged alloy steel. Square lug sizes:  $\frac{9}{32}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ". All satin finish. Length  $8\frac{3}{16}$ ". Weight per 10— $7\frac{3}{4}$  lbs.

**194 Drain Plug Wrench (For Male Plugs).** Includes 7 sizes covering most square or hex male plugs. 8-point:  $\frac{1}{2}$ ",  $\frac{9}{16}$ " and  $\frac{3}{4}$ "; 6-point:  $\frac{3}{4}$ ",  $1\frac{1}{16}$ ", 1" and  $1\frac{1}{8}$ ". Drop forged alloy steel, heat treated and all satin finish. Length  $9\frac{3}{32}$ "; weight per 10— $6\frac{1}{2}$  lbs.

**196 Universal Oil Filter Removing and Replacing Tool.** Cam acting. Eliminates clearance problems. Works equally well on either vertical or horizontal filters on every American made car!  $\frac{3}{8}$ " square drive. Weight per 10— $3\frac{3}{4}$  lbs.

**199 Corvair—Valiant Differential Filler Plug Tool.** 8 pt. socket end for Corvair differential filler plug, and  $\frac{1}{2}$ " hex end for Valiant differential filler plug. Bright finish all over.  $8\frac{5}{8}$ " long. Weight per 10— $7\frac{1}{2}$  lbs.

**250 Brake Bleeder Wrench.** Deep offset one end bleeds—other end adjusts. Up to 1956 Models of Chrysler Products recessed bleeder screens and most other makes. 6-point boxes.  $\frac{3}{8}$ " x  $\frac{7}{16}$ " openings— $8\frac{1}{2}$ " long. Weight per 10— $1\frac{1}{8}$  lbs.

**255 Chrysler Center Plane Adjusting Wrench.** A new brake adjusting wrench. Has a  $\frac{7}{16}$ "—6 point opening and is 12" long. Extra length of offset provides clearance around oversize tires. Special Alloy Steel. Weight per 10— $4\frac{3}{16}$  lbs.

**260 Center Plane Brake Tool.** Use to remove and replace brake shoe spring in new Chrysler Corp. line of cars. Slot in socket end to remove spring. Tapered end to replace. 8" long—4" offset. Weight per 10— $2\frac{1}{2}$  lbs.

**261** New tool for brake spring removal and replacement—length  $11\frac{1}{4}$ ". Weight per 10—4 lbs.

**262 Chrysler Emergency Brake Adjustment Wrench.** The only wrench needed to adjust the internal emergency brake on any Chrysler-make car with Torque-Flight or Power-Flight transmission. The  $\frac{7}{16}$ " open end loosens the cap screw on the protective shield of the brake housing. The spanner end is used to make the actual adjustment on the serrated brake shoe nut.

**265 Brake Shoe Retaining Spring Tool.** For installation and removal of both coil type and hairpin type brake shoe retaining springs. 6" long.

**270 Master Brake Bleeder Wrench.**  $\frac{3}{8}$ " hex opening for conventional cars and trucks and  $\frac{1}{4}$ " hex for compact car bleeder valves. Special vent holes in each socket end permits bleeding without removing wrench. Bright finish all over. Weight per 10— $2\frac{1}{2}$  lbs.

**271 Rambler Brake Bleeder Tool.** Fits in the tight space between bleeder valve nut and steering knuckle.  $\frac{1}{4}$ " hex opening also makes it usable on over 90% of the compacts. Tool is 5" long, with knurled handle and bright finish all over. Weight per 10—10 oz.



## HERBRAND SPECIAL PURPOSE TOOLS

**275 Brake Cylinder Clamp Set.** Consists of 4 spring wire clamps  $6\frac{5}{8}$ " long, x  $2\frac{3}{8}$ " wide. Easy to apply with no chance of leaving the clamp on brake cylinder when assembling. The brake cylinder clamps eliminate the possibilities of the brake cylinder pistons from being forced out of the brake cylinder when the brake shoes and return springs are removed. Weight per set— $\frac{3}{4}$  lb.

**Star Nut Brake Tools**

**300 Universal Bendix Brake Tool.** Especially designed to service all standard Bendix Brakes and in addition, has been specifically modified to speed brake adjustment on 1960 Corvairs, Chevrolets and Buicks.  $9\frac{3}{16}$ " long. Weight per 10— $3\frac{1}{8}$  lbs.

**301** For all brakes except Chevrolet. Length  $7\frac{1}{2}$ "; Weight per 10— $2\frac{1}{2}$  lbs.

**302** Newest design in Bendix Brake tools. Both ends designed to adjust all type Bendix Brakes including 1958—Makes Adjustments without Skinning or Bumping Knuckles. Length— $9\frac{3}{4}$ "; Weight per 10—3 lbs.

**303** Special for Chevrolet. 7" long—Weight per 10— $1\frac{1}{16}$  lbs.

**Muffler and Tail Pipe Cutters**

A new development to make easy the hard job of separating old, rusted together mufflers and tail pipes. No. 491 cuts the inside pipe and No. 492 the outside pipe. Will not damage part being saved.

**490** Set includes 491 and 492. Weight per 10—9 $\frac{3}{4}$  lbs.

**491** Cuts inside pipes. O.A.L. 7"; weight per 10—4 $\frac{3}{4}$  lbs.

**492** Cuts outside pipes. O.A.L. 7"; weight per 10—4 $\frac{1}{2}$  lbs.

**No. 497 Tail Pipe and Metal Cutter**

A popular, efficient metal cutting tool. Cuts narrow ribbon of metal out of section being cut. Forged alloy steel, hardened and tempered. Length 10"; weight per 10—4 $\frac{3}{4}$  lbs.

**1940 Half Moon.**  $\frac{5}{8}$ " and  $\frac{3}{4}$ " Starter and Manifold.

**2146 Half Moon.**  $\frac{9}{16}$ " and  $\frac{5}{8}$ " Starter and Manifold.

**1950 Chevrolet Starter Wrench.** All 6 cylinder Models from 1949.

**2200 Shock Absorber Tool.** For GM, Ford, and Chrysler cars. T-end fit over bayonet. Threaded end pulls shock absorber through spring.  $5\frac{3}{4}$ " long—Weight per 10 pieces—5 lbs.

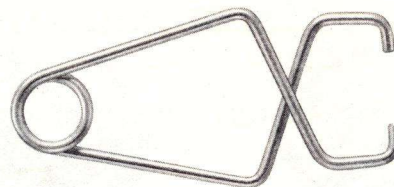
**T-200 Ford Tappet Adjusting Tool**

Hinge action minimizes wear by riding the moving tappet much better than other ordinary wrenches. Special hardness reduces wear for adjusting the hardened self-locking adjusting screws.

Knurled handle and bright finish all over. Length  $8\frac{1}{2}$ ". Weight per 10—5 lbs.

**2375 Ford Distributor Wrench—also Lincoln and Mercury.** For models up to 1956  $\frac{1}{2}$ " box— $\frac{3}{8}$ " drive. Weight per 10—4 $\frac{3}{8}$  lbs.

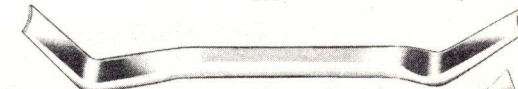
**2376 Buick and Chevrolet V-8 Distributor Wrench.**  $\frac{9}{16}$ " Box— $\frac{3}{8}$ " Drive. Use with  $\frac{3}{8}$ " Drive Socket handles to clear any under-hood obstruction. Weight per 10—5 lbs.



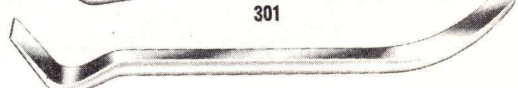
275



300



301



302



303



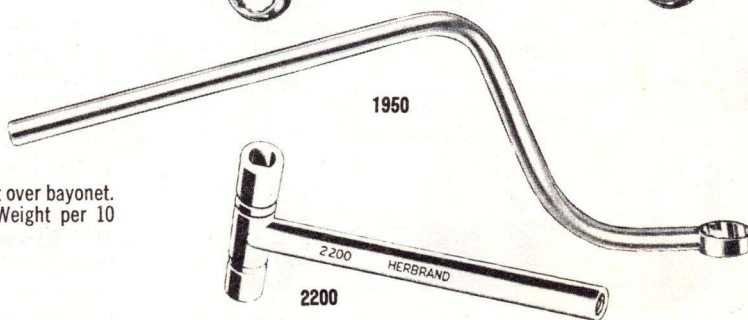
491



492



497

1940  
and  
2146

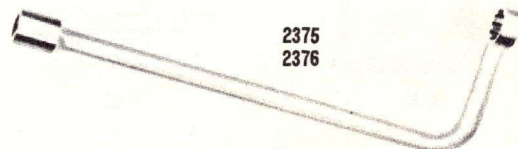
1950



2200



T-200

2375  
2376

**Herbrand Tools**



# HERBRAND SPECIAL PURPOSE TOOLS



2429

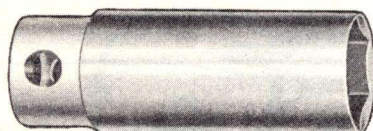


2430

**2429 Chrysler Products Ball Joint Socket.** Fits all Plymouth and Dodge cars from 1957.  $2\frac{1}{16}$ " O.D. 2" long—Weight per 10—11¼ lbs.

**2430 Chrysler Products Ball Joint Sockets.** Fits all Chrysler and DeSoto cars from 1957.  $2\frac{1}{32}$ " O.D.  $2\frac{1}{16}$ " long—Weight per 10—16¼ lbs. Both of the above sockets have been redesigned to accommodate the latest replacement parts for Chrysler Ball Joints now on the market, and both sockets fit upper and lower ball joints.

DS-26S



**DS-26S Special Spark Plug Socket.**  $1\frac{3}{16}$ " 6-Pt. opening;  $\frac{1}{2}$ " drive; O.D.  $1\frac{1}{32}$ "; O.A.L. 3"; weight per 10—3½ lbs. (Non replaceable).

## Connecting Rod Sockets

(Non replaceable)

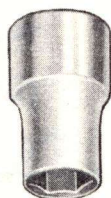
Designed to service connecting rod bolts.  $\frac{1}{2}$ " drive.

S-118V



**S-118V** Ford  $\frac{9}{16}$ ", O.D.  $\frac{49}{64}$ "; weight per 10—1¼ lbs.

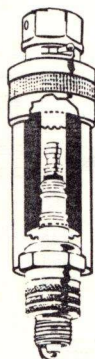
S-614V



**S-614V** Cadillac  $\frac{7}{16}$ ", O.D.  $2\frac{1}{32}$ "; weight per 10—1½ lbs.



SPJ-1426



SPJ-26  
SPS-26

**SPJ-26 ( $\frac{3}{8}$ " drive) OR SPS-26 ( $\frac{1}{2}$ " drive) 14 MM Spark Plug Socket.** Socket has rubber insert to hold plug—hex drive for use with standard wrench. Both  $2\frac{1}{2}$ " long,  $1\frac{1}{16}$ " dia.; weight per 10—2¼ lbs.

**SPJ-1426 Ratcheting Spark Plug Socket.** Replaces three tools—holding socket, reversible ratchet, short extension.  $\frac{3}{8}$ " drive,  $3\frac{1}{2}$ " long. Fits all 14MM Spark Plugs.

## Hold-It Sockets

Hold bolts and nuts firmly in socket.  $\frac{3}{8}$ " square drive.

**JH-622**  $1\frac{1}{16}$ " 6-Pt. O.A.L.  $1\frac{1}{16}$ "; weight per 10—1 lb.

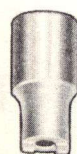
**JC-624**  $\frac{3}{4}$ " 6-Pt. O.A.L.  $1\frac{1}{16}$ "; weight per 10—1½ lbs.

**M-71 Chevrolet Distributor Socket.** Required to remove points on 1953-1954 Chevrolets. O.A.L.  $1\frac{1}{16}$ "; weight per 10— $\frac{5}{16}$  lb.

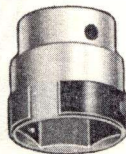
**J-43 Two-in-one Socket Stop Light and Oil Pressure Light Switch.**  $\frac{3}{8}$ " drive, 2" long. Openings  $1\frac{1}{16}$ " and 1" (inside).

**J-42  $\frac{3}{8}$ " Hex Filler Plug Wrench**—for 59 Ford and Mercury Differential Plug—has  $\frac{3}{8}$ " drive— $3\frac{3}{8}$ " long—weight per 10—1½ lbs.

**S-42 Filler Plug Wrench**— $\frac{9}{16}$ " Hex. Has  $\frac{1}{2}$ " drive and  $\frac{9}{16}$ " hex to fit Chrysler Corp. cars using female differential carrier plug. Tool is  $1\frac{1}{2}$ " long— $\frac{7}{8}$ " diameter; weight per 10—1¾ lbs.



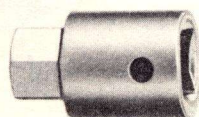
M-71



JH-622  
JC-624



J-43



S-42



J-42



## HERBRAND IGNITION AND TUNE-UP TOOLS

## NO. 2110 "SNAP GAP" POINT SETTING TOOL



No. 2110

**No. 2110 "Snap Gap" Point Setting Tool**, enables the mechanic to set distributor points accurately and quickly without rotating the engine or removing the distributor. This new tool is accurate, easy to use and time saving. The complete tool set includes fine precision made cam rings, and special feeler gauge in a durable case with specifications and instructions. Wt. per 10—5 lbs.

**SETS DISTRIBUTOR POINTS IN 1/3 THE TIME**

**Accurately and Uniformly**

You can be forever through with rotating engines and removing distributors to set points—with the new Herbrand "Snap Gap." It covers practically all American cars and gives accurate, fast, uniform settings. The time-saving "Snap Gap" has micro-precision rings that slip over the cam, putting the points at their widest gap, regardless of cam position! Special feeler gauges and adapters automatically set the correct final gap. Dual breaker points can be set almost as fast as singles, too!

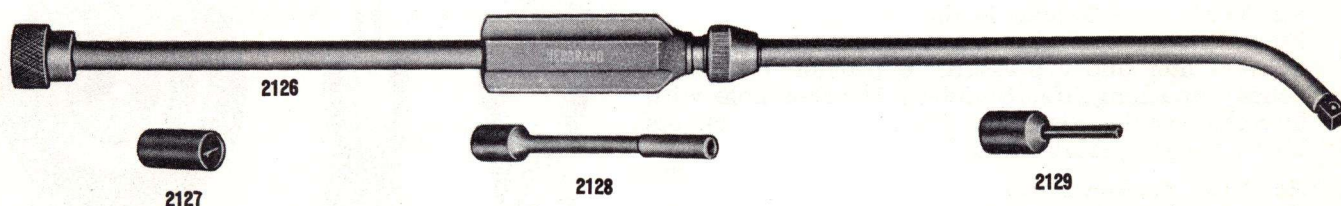


PLACE RING OVER CAM



USE GAUGE AND ADAPTER TO SET

## No. 2125 Carburetor and Distributor Adjusting Tool



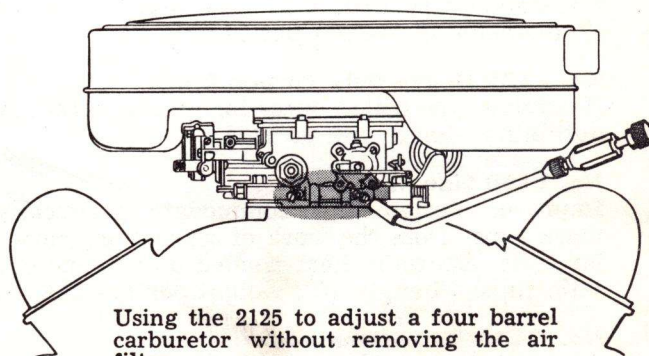
**No. 2125—Complete Set**—4 tools (1/4" drive) for carburetor and distributor adjustments (2126, 2127, 2128 and 2129). Packed 1 set to a box.

**No. 2126—Handle only**—has strong inner cable, sliding hand grip which may be set anywhere on the handle—turning knob permits hairline adjustment when watching "tune-up" meter. Length 16 inches. 1/4" drive only.

**No. 2127—Carburetor Socket Bit only**—1/4" drive allows setting of the carburetor without taking the air filter off—1" long, 7/16" dia.

**No. 2128—Holly Carburetor Socket Bit**—1/4" Drive Special for the Holly carburetor—Extra length clears obstruction—makes setting idle speed easier. Length 3 3/4"

**No. 2129—Distributor Socket Bit** 1/2" Hex—1/4" Drive for setting all distributors of the Delco-Remy type—Excellent for "tune-up" work when used with testing meter for cam angle reading. Length 1 3/4"



Using the 2125 to adjust a four barrel carburetor without removing the air filter.

**Herbrand Tools**



## HERBRAND FOUR WAY RIM WRENCH, TIRE IRONS, TIRE HAMMERS AND CARBON BRUSHES

**No. 1056X Four-Way Rim Wrench**

For passenger cars and light trucks. Arms are 22" long for wide fender clearance;  $\frac{5}{8}$ " in diameter for extra strength. Tool steel with sockets accurately forged. Sizes:  $\frac{3}{4}$ ",  $1\frac{3}{16}$ ",  $\frac{7}{8}$ " and  $1\frac{1}{16}$ ". All satin finished; weight per 10—41½ lbs.

**No. 1057X Heavy Duty Truck 4-Way Rim Wrench**

Openings:  $\frac{13}{16}$ " square and  $1\frac{1}{16}$ ",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ " and  $1\frac{1}{2}$ " hex. O.A.L. 27"; wt. each 15 lbs.

**Tire Irons—Spoon Type**

Broad, thin, paddle shaped blades take hold of larger area to lift tire from rim with minimum effort. Two lengths in both straight and curved style to cover both passenger cars and trucks. Selected tool steel, specially tempered. All satin finish.

- NO. 1126 STRAIGHT.** O.A.L. 18"; weight per 10—20 lbs.  
**NO. 1126T STRAIGHT.** O.A.L. 23"; weight per 10—26¼ lbs.  
**NO. 1127 CURVED.** O.A.L. 18"; weight per 10—20 lbs.  
**NO. 1127T CURVED.** O.A.L. 23"; weight per 10—26 lbs.

**No. 1128 Adjustable Tire Spreader**

A practical, handy tool for any garage or service station. Revolving spindles afford easy one hand operation. Adjust from  $5\frac{1}{2}$ " to  $7\frac{3}{8}$ "; length  $18\frac{1}{2}$ "; weight per 10—25½ lbs.

**No. 1132 Tire and Rim Brush**

A good quality wood handle brush. 19 rows of straight wire bristles securely fastened in wood. Handle curved for maximum utility. Brush length  $5\frac{1}{2}$ "; width  $\frac{3}{4}$ "; O.A.L. 14"; weight per 10—3¾ lbs.

**No. 1134 Tubeless Twin Irons**

Especially adapted for tubeless tires, no damage to sealing ribs. Equally good as "No Pinch" irons for tube type tires. Use a pair for easiest changing of any tire. Drop forged tool steel, length 18"; weight per 10—18¾ lbs.

**No. 1137 Wire Circular Brush**

Finest quality, special crimped wires securely locked in steel hub under pressure to provide maximum density and long life. Standard 2" arbor hole with interchangeable adaptors. Diameter 6"; thickness  $1\frac{1}{16}$ "; weight per 10—19¾ lbs.

**No. 1138 Carbon Brush**

Fits standard  $\frac{1}{4}$ " drill or flexible shaft. Brush length 1"; diameter 1"; weight per 10—2½ lbs.

**No. 1139 Heavy Duty Carbon Brush**

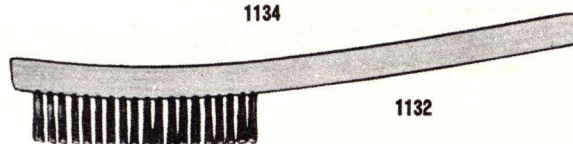
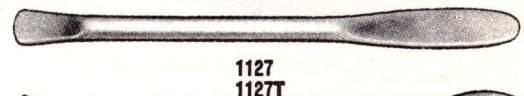
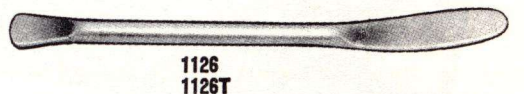
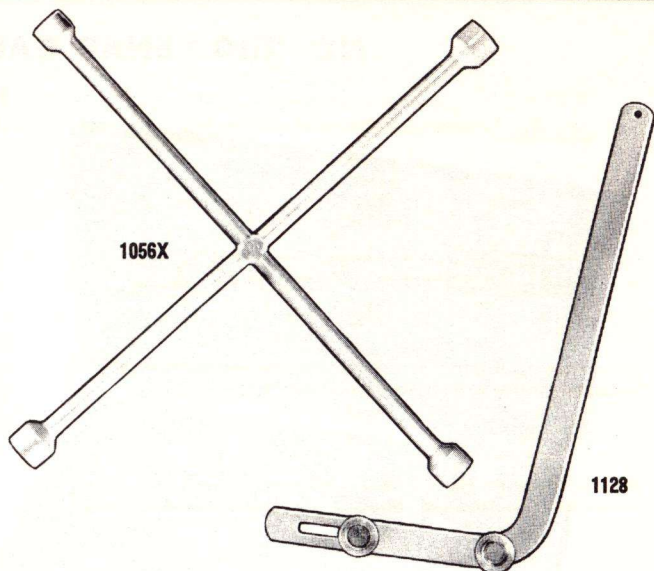
Has cable type coiled wires for greater strength and durability. Same size as 1138.

**No. 1140 Side Ring Tool**

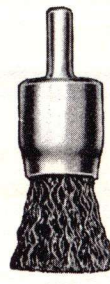
Improved design to accommodate practically all truck rims. Does the work of several ordinary similar tools. Specially heat treated and tempered. All satin finish. Length 22"; weight per 10—21¼ lbs.

**No. 1130 Tire Hammer**

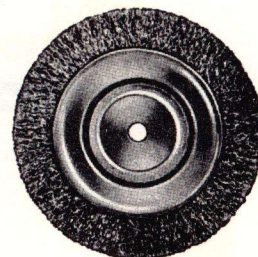
A well balanced hammer especially designed for removing hard to break loose tires. One end a tapered wedge for striking bead; other end full striking face corners rounded. Drop forged alloy steel, carefully tempered. O.A.L. 14"; weight —3½ lbs.



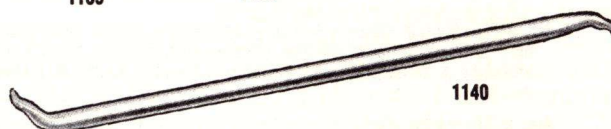
1139



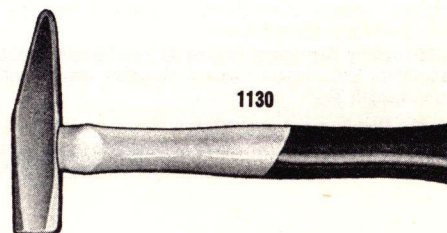
1138



1137



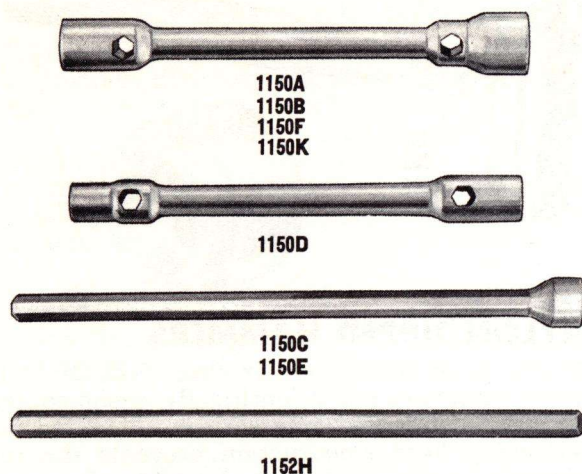
1140



1130



# UNIVERSAL TRUCK WRENCHES, MALLET AND SOFT BRONZE HAMMER



**1150A Double End Wrench** includes sizes  $\frac{1}{4}$ " square;  $\frac{1}{8}$ " and  $\frac{1}{2}$ " hex. Length  $16\frac{1}{4}$ "; weight— $4\frac{3}{4}$  lbs.

**1150B Double End Wrench** includes sizes  $\frac{5}{8}$ " square;  $\frac{7}{8}$ " and  $1\frac{1}{4}$ " hex. Length  $15\frac{7}{8}$ "; weight— $4\frac{1}{4}$  lbs.

**1150C Single End Wrench and Leverage Bar.** Size opening  $1\frac{1}{8}$ " hex. Length  $20\frac{1}{2}$ "; weight—3 lbs.

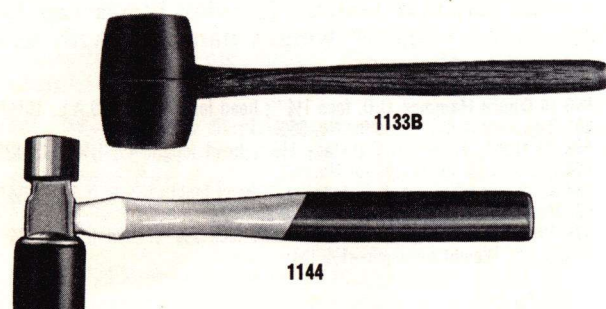
**1150D Double End Wrench.** Specially designed for International Trucks. Size  $\frac{7}{8}$ " and  $1\frac{1}{8}$ " hex. Length  $15\frac{7}{8}$ "; weight— $3\frac{3}{8}$  lbs.

**1150E Single End Wrench and Leverage Bar.** Size opening  $1\frac{1}{8}$ " hex. Length  $20\frac{1}{2}$ "; weight— $3\frac{1}{8}$  lbs.

**1150F Double End Wrench.** Sizes include  $1\frac{1}{8}$ " and  $1\frac{1}{4}$ " hex. Length  $15\frac{7}{8}$ "; weight—4 lbs.

**1150K Double End Wrench** for post war Chevrolet Trucks. Sizes include  $\frac{1}{4}$ " and  $1\frac{1}{2}$ " hex. Length  $16\frac{1}{4}$ "; weight— $4\frac{1}{4}$  lbs.

**1152H Hexagonal Leverage Cross Handle** fits all double end wrenches. Length  $20\frac{1}{2}$ "; weight— $2\frac{3}{4}$  lbs.



## No. 1133B Rubber Tire Mallet

Head molded of special tough resilient rubber. Also popular for body work as soft face bumping hammer. Head diameter 3"; head length 4"; O.A.L. 16"; weight— $1\frac{7}{8}$  lbs.

## No. 1144 2-Way Hammer

A dual use hammer having one head of tough drop forged steel, the other a replaceable molded resilient rubber. Extremely popular because of its tremendous striking power. Length 16"; weight— $2\frac{3}{4}$  lbs.

HERBRAND universal truck wrenches are engineered and designed to efficiently handle all makes and types of modern truck and trailer wheel lugs. A complete range of sizes is provided in both square and hexagonal openings combined in the most used and most universal combinations for maximum utility.

All HERBRAND wrenches are *hot forged* from solid bars of carefully selected steels. Forging dies are specially designed to provide multiple working of the steel for greater *grain refinement* to develop the highest possible tensile strength factor.

Socket openings are extra deep with accurate, sharply defined points made to withstand the hardest usage. Socket ends are evenly faced off to permit firm seating of the wrench and prevent dangerous tilt or roll off action when using extra high leverage.

HERBRAND wrenches are all provided with broached hexagonal cross handle holes to fit the special hexagonal shaped handle for powerful, non-slip leverage. Handle won't roll or slip under any circumstances.

Each wrench is carefully heat treated, tempered and finished in baked-on aluminum paint.

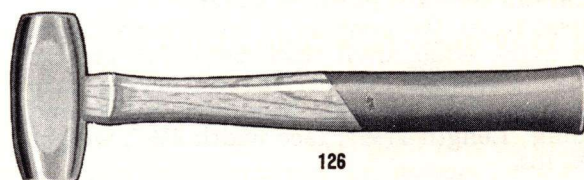
Nothing has been overlooked or spared in making HERBRAND universal truck wrenches the safest, strongest and most dependable made.

## UNIVERSAL WRENCH TRUCK SETS

Popular wrench and handle combinations have been put together, in handy, fitted corrugated cartons, for specific models and makes of trucks. The sets listed below include those most in demand, however they in no way restrict the number of possible other combinations.

**1150T Set** includes 1 each Nos. 1150A, 1150B and 1150C. Weight—12 lbs.

**1152F Ford Set** includes 1 each 1150A wrench and 1152H handle. Weight— $7\frac{1}{2}$  lbs.

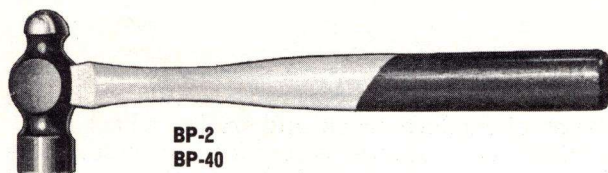


## No. 126 Soft Bronze Hammer

For driving easily damaged parts, head is made of soft bronze, polished and lacquered. Handle top second growth hickory. Length 12" O.A.L.; weight per 10—20 lbs.



# HERBRAND "VAN-CHROME" HAMMERS, BALL PEIN AND NYLON TIPPED, BODY SPOONS

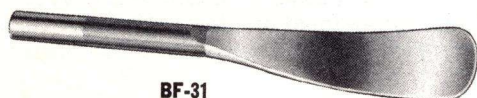


These HERBRAND hammers are superbly balanced for precision work. Hammer heads are drop forged from specially selected alloy steels and then carefully heat treated and tempered for unusual toughness to avoid the danger of chipping. Hammer faces and pein are smoothly finished and brightly polished.

Handles are top grade, second growth hickory, thoroughly dried and seasoned to eliminate shrinkage and are accurately fitted in the heads and doubly secured to prevent loosening.

HERBRAND VAN-CHROME ball pein hammer standards for quality and safety are the highest and each hammer is inspected before shipment to insure this high quality.

Number	Weight of Head	Total Weight —10 Pcs.	Length
BP-2	2 oz.	2¾ lbs.	9½"
BP-4	4 oz.	3½ lbs.	9¾"
BP-8	8 oz.	6½ lbs.	11½"
BP-12	12 oz.	10¼ lbs.	13"
BP-16	16 oz.	13¾ lbs.	14"
BP-20	20 oz.	15½ lbs.	14½"
BP-24	24 oz.	18 lbs.	14¾"
BP-32	32 oz.	24 lbs.	15½"
BP-40	40 oz.	31 lbs.	16½"



## No. BF-31 Inside Pry and Surfacing Spoon

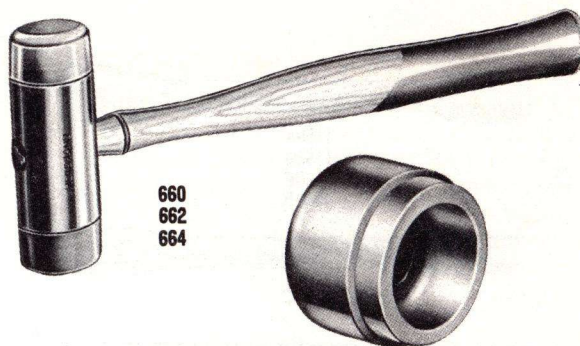
Works efficiently as a pry spoon behind braces and panel edges. Short handle for driving in limited space. Selected steels, drop forged, smoothly polished. Length 16"; face width 2½"; weight—2¾ lbs.

## No. BF-33 General Purpose Spoon

Shaped to fit the contour of most body parts. Two extra wide anvil oval faces for greater utility. Designed for driving or prying drip moulding, deck panels, headlight work and beading. Length 17½"; face width 2½"; weight—3¾ lbs.

## No. BF-34 Pry and Bumping Spoon

Double end, heavy duty door and body pry bumping spoon with wide slightly crowned faces. Blades angled for use as lever or anvil for door panels, cowls, aprons and back bracing irons. Length 20"; face width 2½"; weight—4½ lbs.

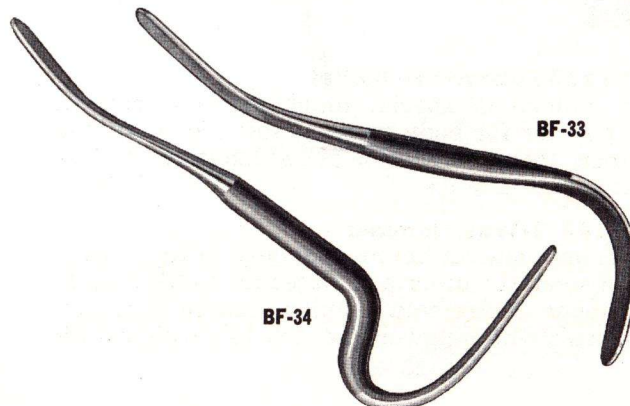


## NYLON TIPPED HAMMERS

Available in three popular sizes, HERBRAND nylon hammers are scientifically designed for perfect balance and long service. Patented *interlocking head construction* prevents the replaceable nylon faces from becoming loosened in use, yet are quickly and easily removed when desired.

In repeated tests and experiments, the detachable molded nylon tips have outlasted and outperformed all other "soft impact" hammers. They will not chip, break, absorb moisture or change shape even under continued hard use. They are resistant to oils and acids making them the most durable soft faced hammer obtainable. Handles are seasoned top grade hickory and are securely fastened to heads to prevent loosening in use. A new addition to the HERBRAND nylon hammer series is the "No Bounce" hammer No. 676. Free moving weights within the head increase striking power and prevent dangerous rebound action. Heavier blows can be struck with lighter weight hammers with less fatigue to the user.

660 10 Ounce Hammer. O.D. face 1¼"; head length 3¾"; O.A.L. 10½".  
 661 Replaceable nylon tips for No. 660.  
 662 20 Ounce Hammer. O.D. face 1½"; head length 4½"; O.A.L. 12".  
 663 Replaceable nylon tips for No. 662.  
 664 32 Ounce Hammer. O.D. face 1¾"; head length 5½"; O.A.L. 12½".  
 665 Replaceable nylon tips for No. 664 and 676.  
 676 "No Bounce" Nylon Hammer. O.D. face 1¼"; head length 4¾"; O.A.L. 12". Weight per each—1¼ lbs.





## HERBRAND "VAN-CHROME" MULTIFIT BODY AND FENDER HAMMERS AND DOOR TOOL

### MULTIFIT BODY AND FENDER HAMMERS

HERBRAND hammers are drop forged in special, multiple impression dies for maximum grain refinement of carefully selected tool steels. Working faces are accurately machined and carefully polished for ultra smoothness. Atmosphere controlled hardening operations insure durable faces even under severe use. Perfectly balanced, each hammer is securely fastened to special top quality second growth hickory handles with octagon shaped handles.

#### No. BF-1 Long Ball-End, Finish Hammer

For dual use. Ball end for raising low spots smoothly, and round flat finishing face. Face diameter  $1\frac{5}{8}$ ". Head 6" O.A.L. Clearance, ball to handle  $3\frac{5}{8}$ ". Length 12"; weight— $\frac{7}{8}$  lb.

#### No. BF-2 Shrinking and Bumping Hammer

New, extra wide round and square smooth faces needed to shrink metal after heating. Round face diameter  $1\frac{7}{8}$ ", square face  $1\frac{5}{8}$ ". Head  $4\frac{1}{4}$ " O.A.L. Clearance  $1\frac{5}{8}$ ". Length 12"; weight—1 lb.

#### No. BF-4 Low Spot, Long Picking Hammer

Special designed pick end for use thru coating or insulated material to peck out low spots while filing. Round face diameter  $1\frac{5}{8}$ " with  $1\frac{5}{8}$ " clearance. Pick end clearance  $3\frac{5}{8}$ ". Head 6" O.A.L. Length 12"; weight— $\frac{3}{4}$  lb.

#### No. BF-5 Low Spot, Short Picking Hammer

Extra sharp picking point for small low spots, with perfectly balanced finishing head. Round face diameter  $1\frac{5}{8}$ " with  $1\frac{5}{8}$ " clearance. Pick point clearance  $2\frac{3}{4}$ ". Head  $5\frac{5}{8}$ " O.A.L. Length 12"; weight— $13/16$  lb.

#### No. BF-8 Dinging Hammer

The only perfectly balanced double round-face ding hammer with deep clearance. Hits solid flat blow in hard-to-reach places. Large head diameter  $1\frac{5}{8}$ "; clearance  $2\frac{3}{8}$ ". Small head diameter  $1\frac{1}{4}$ ", clearance  $2\frac{3}{4}$ ". Head  $6\frac{1}{8}$ " O.A.L. Length 12"; weight—1 lb.

#### No. BF-12 New Shrinking and Finishing Hammer

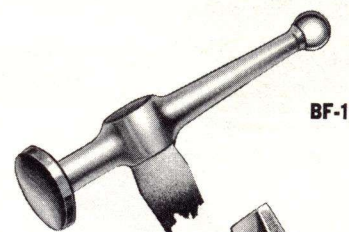
Rounded corners on cross-milled face shrinks metal faster and with less damage than square-cornered types. Patent applied for. Head diameter  $1\frac{1}{2}$ ". Head  $4\frac{1}{4}$ " O.A.L. Length 12"; weight— $\frac{7}{8}$  lb.

#### No. BF-27 Magnetic Trim Hammer

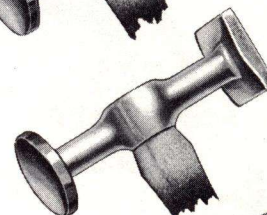
Forged of finest magnetic steel and carefully heat treated for long wear. White hickory handle. Head  $5\frac{1}{2}$ " O.A.L. Length  $10\frac{3}{4}$ "; weight— $\frac{5}{8}$  lb.

#### No. BF-92 Door Handle Tool

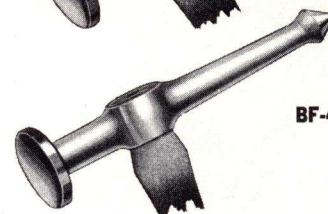
Plier type tool to remove interior retaining clip from door handles of G.M. and Ford cars. Has thin narrow jaws to slip under handle—steel construction— $7\frac{5}{8}$ " long; weight per 10— $1\frac{5}{8}$  lbs.



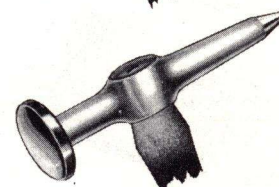
BF-1



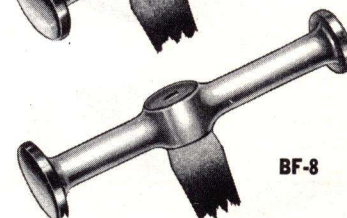
BF-2



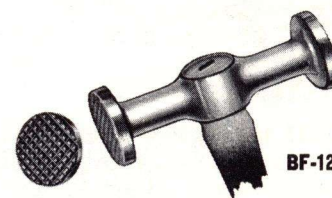
BF-4



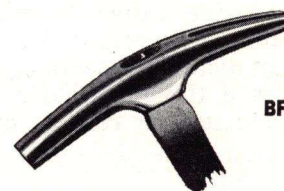
BF-5



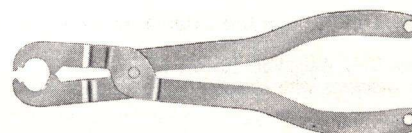
BF-8



BF-12



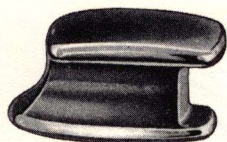
BF-27



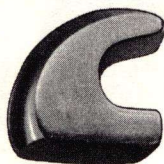
BF-92



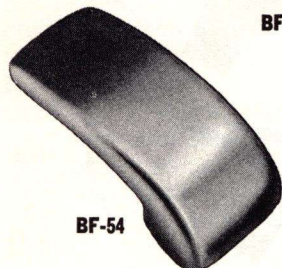
## HERBRAND 'VAN-CHROME' BODY & FENDER TOOLS MULTIFIT FILES AND HOLDER



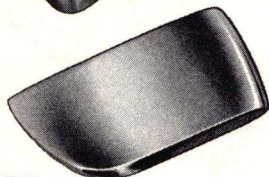
BF-51



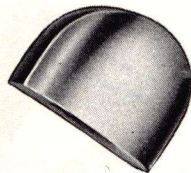
BF-52



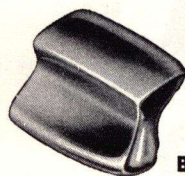
BF-54



BF-55



BF-56



BF-57

### MULTIFIT ANVIL AND DOLLY BLOCKS

All Herbrand Anvil and Dolly Blocks are departures from the "old style chunks of steel." Each Herbrand block is carefully forged of alloy steel, accurately ground and polished to special shapes and dimensions for the many needed special applications.

#### No. BF-51 Heavy Weight Universal Anvil Block

With its wide curved surfaces, multi-angle planes and under-cuts, it fits a hundred special needs on body, fender or door work. Solid hand grip for bumping. Anvil faces 3" x 2 $\frac{7}{8}$ " and 1 $\frac{3}{4}$ " x 4". Length 4"; height 2 $\frac{3}{8}$ "; width 2 $\frac{7}{8}$ "; weight—3 lbs.

#### No. BF-52 Raising Block

Especially useful on deep-skirted fenders and around rolled edges. Shaped to protect hand and can be used for swinging blow without hammer. Size 2 $\frac{1}{4}$ " x 2-15/16" x 3". Weight—3 $\frac{1}{2}$  lbs.

#### No. BF-54 Roof Wedge Block

Sharp taper for driving out roof rails or bead, and for under fender braces. Wide end for moulding curved surfaces. Length 5-13/16"; width 2 $\frac{5}{8}$ "; length 2-3/16"; weight—3-11/16 lbs.

#### No. BF-55 Toe Type Block

Ideal for shrinking and dinging flat panels. Thinness and length provide easy accessibility to narrow pockets. Size 3 $\frac{1}{8}$ " x 2 $\frac{1}{4}$ " x 1-1/16"; weight—2 $\frac{1}{2}$  lbs.

#### No. BF-56 Heel Block

Designed especially to reach easily into sharp corners and wide radii. Size 3 $\frac{1}{8}$ " x 2 $\frac{3}{8}$ " x 1-7/16"; weight—2 $\frac{1}{2}$  lbs.

#### No. BF-57 Flange and Anvil Block

Handles many medium curve radii and flat-crowned surface excellent for dinging. Has several differently crowned working faces together with two beading and flange lips. Provides comfortable hand hold for dinging. Length 2 $\frac{7}{8}$ "; width 2 $\frac{1}{4}$ "; height 2 $\frac{3}{8}$ "; weight—3 lbs.

### MULTIFIT FILES AND HOLDER

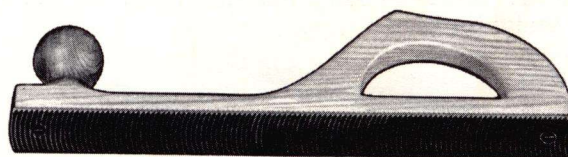
File has special milled U-type, self cleaning teeth. Handle is especially designed for the file and will not distort the teeth causing rapid dulling as does a flexible holder. Easily held in place or released for reverse by two retaining screws.

**BF-514 14" Flexible File Only.** Teeth on both sides. Weight per 10—6 $\frac{1}{4}$  lbs.

**BF-550 Set of 6 Files No. BF-514 with One Holder Free.** Weight per set—4 $\frac{3}{8}$  lbs.

**BF-614 Wooden Holder Only.** Weight per 10—6 $\frac{1}{8}$  lbs.

**BF-714 Flexible File Complete with Wooden Holder.** Weight per 10—12 $\frac{3}{8}$  lbs.





Herbrand Electrical test equipment provides the simplest most practical method for the particular tune-up shop. Instruments are guaranteed accurate to 2% of full scale reading, and warranted for one full year against defects in material and workmanship.

Clearly written, down-to-earth instructions packed with each unit make special schooling unnecessary.

## COMBINATION METERS



HT-850

### UNIVERSAL DWELL METER, TACHOMETER, VOLTMETER, AND AMMETER

The HT-850 Universal Dwell-Tach-Regulator tester is a single unit, portable universal tester. It is designed primarily as road service equipment or as an additional portable unit to give flexibility to the shop now limited by massive cabinet type "analyzers".

Meter Dial is graduated as follows; volts, 0 to 16; Amperes, 0 to 60; Dwell, 10° to 45° (8 cyl.); Tachometer, 0-2400 R.P.M. (8 cyl.); Dwell 15° to 60° (6 cyl.); Tachometer, 0-3200 R.P.M. (6 cyl.); for 4 cyl. Tach. and Dwell, double the 8 cyl. reading.

A complete shop manual, written for the practical mechanic is shipped with each HT-850. A single 5 lead hook-up with picture instructions after which ALL readings are made by turning a knob, makes this an excellent tester for the new tune-up specialist.



HT-864

### COMBINATION DWELL METER AND TACHOMETER

The HT-864 Combination Tachometer and Dwell meter operates automatically for all systems from 6 to 24 volts. Dial is graduated for both dwell and tachometer readings for 4, 6, and 8 cylinder engines.

Maximum Tachometer readings are 4800 R.P.M. (8 cyl.) 6400 R.P.M. (6 cyl.) and 9600 R.P.M. (4 cyl.).

Checks dwell with distributor in engine or on bench.

## TACHOMETERS



HT-210

### UNIVERSAL MARINE TACHOMETER

The HT-210 Tachometer is the first truly electronic tach with a guaranteed accuracy of 2% of full scale, even at the maximum reading of 18000 R.P.M.!

It operates on any engine regardless of number of cylinders since the pick-up is from 1 spark plug lead only (secondary) by induction.

The HT-210 is current sensitive only, and readings are accurate, even if points bounce, or if the spark plug is fouled. It indicates plugs to which no spark is being delivered as well as showing spark plug polarity.

The HT-210 is not recommended for use on resistor type spark plug leads such as TVRS, although readings can usually be obtained by placing the sensing ring over the spark plug porcelain.

The HT-210 is fully temperature compensated, and extension leads of any length are available upon order.



HT-346

### TACHOMETER

The Herbrand HT-346 Tachometer is designed to provide an economical, direct reading tachometer with no knobs or switches.

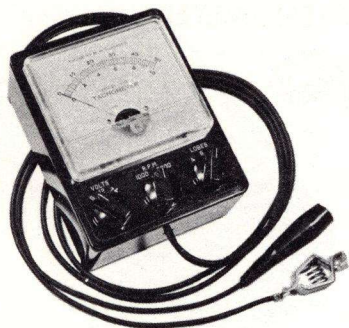
The triple scale reads as follows:

- 8 cyl. engine 0-3000 R.P.M.
- 6 cyl. engine 0-4000 R.P.M.
- 4 cyl. engine 0-6000 R.P.M.

These ranges are ample for all shop testing and practically all road testing at legal speeds.

Two simple connections with five foot leads permits mechanics to check idle speed adjustment, automatic transmission adjustments, and make carburetor adjustments.





HT-410

### DUAL RANGE TACHOMETER

The Herbrand HT-410 Dual-Range Tachometer permits accurate engine or automatic transmission adjustments on either a 1000 R.P.M. or 5000 R.P.M. scale. Works equally well on all cars and trucks with 6 to 24 volt systems.

Simple range switch permits checking to either 1000 R.P.M. or 5000 R.P.M. The cam lobe switch accommodates 4, 6, or 8 cylinder engines.



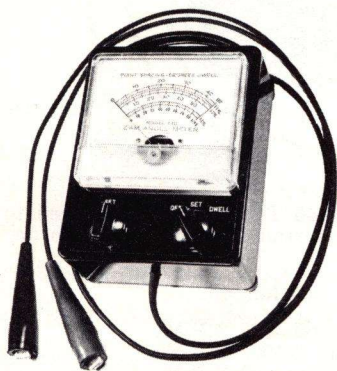
HT-400

### GENERATOR REGULATOR TESTER

The HT-400 Generator-Regulator Tester tests generators and regulators on any 6, 12, 24, or 32 volt electrical systems.

The dial is calibrated for the following scales: 0-15 volts, 0-60 volts, and 0-60 amps. The 0-15 volt scale has 0.2 volt graduations for ease of checking voltage drop.

The HT-400 is built to withstand constant use.

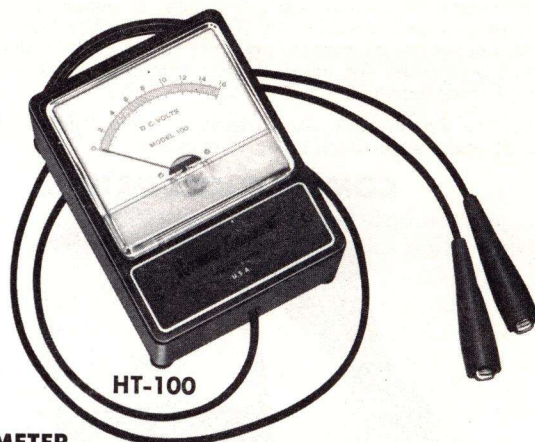


HT-420

### DWELL (cam angle) METER

One simple hook-up of two test clips enables the mechanic to check the dwell setting as well as the condition of the breaker points. Like all other Herbrand dwell meters, the HT-420 may be used to set the dwell either on the car or on the bench.

For use on 6 volt to 24 volt systems.



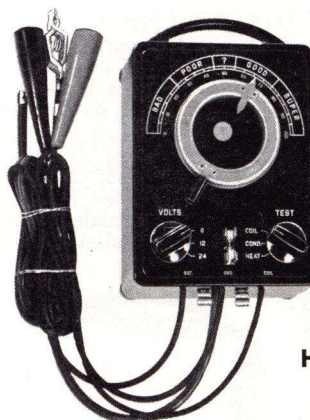
HT-100

### VOLTMETER

The HT-100 Voltmeter is the mechanics' basic test instrument. Not as versatile as the combination volt-ammeter, nevertheless the HT-100 performs valuable work for the garage which is not yet a full fledged tune-up shop.

The 0-16 volt scale handles all 6 and 12 volt systems, and provides an excellent means of checking:

1. Battery condition (in the car or truck).
2. Regulator (and resetting, too).
3. Relay closing voltage.
4. Ignition coil resistors.
5. Voltage drop.
6. Electrical leakage.



HT-660

### COIL AND CONDENSER TESTER

The modern, simple and trouble-free HT-660 Coil and Condenser tester avoids all complicated procedures and tests directly the one important fact of coil performance, spark output. A direct reading scale shows the coil (or condenser) as GOOD or BAD. A flip of the control knob heats the coil for further test.

The 6 to 24 volt range tests:

1. Coil and condenser in the engine.
2. Coil and condenser on the bench.
3. Magneto coils and condensers (all types).
4. Coil breakdown by heating coil.
5. Any condition that requires loading the secondary wiring, such as leaking distributor caps or plug wiring.
6. Will compare the spark output of 2 or more coils.

All necessary leads for bench testing are supplied with the HT-660.





**HT-700  
GENERATOR  
"QUICK CHECK"  
METER**

The HT-700 provides a quick-to-use substitute for the dash ammeter which is left off of the "Red dash light" cars.

Merely place the wire to be checked in the guide on the back of the HT-700 and read the current that is flowing.

Checks charging rate in amps. Cut-out opening. Shows whether any particular circuit is dead. Excellent for the pump island. Check water and oil, then generator output to secure generator-regulator work for shop.

Reads 0-75 amps regardless of polarity. Use on 6 and 12 volt systems.



**HT-740  
STARTER CURRENT  
INDICATOR  
METER**

This compact meter requires no hookup—just place the induction bar over the starter cable and depress starter switch—gauge will indicate amperage draw of the starter motor—gauge reads 0-400 (25 amp per graduation) in either direction for reading regardless of polarity. For 6 and 12 volt systems.



**HT-600  
VACUUM AND  
FUEL PUMP  
GAUGE**

The HT-600 is essential for checking for leaks in manifold gaskets, manifolds, carburetor flange gaskets, for loose tappets, bad timing, etc. Double end pointer on dial provides easy reading, and built-in check valve eliminates pointer "flip-flops."

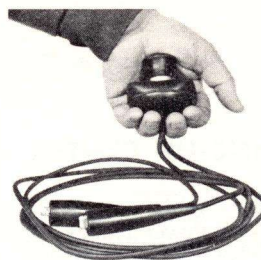
The vacuum scale reads to 25 inches; fuel pump pressure to 7 pounds. A universal clamp faces any direction, clamps anywhere on car.



**HT-606  
REMOTE  
CIRCUIT CONTROL**

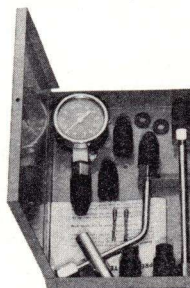
The HT-606 by-passes the usual ignition and starter switches, permitting the mechanic to either "roll over the engine," or to start-run and stop the engine even with the dash ignition switch locked. It is the one best answer to the missing ignition key. Built-in tester bulb shows any "hot" circuit.

Use as jumper with switch to test inoperative accessories or an emergency jumper for broken circuits.



**HT-605  
REMOTE  
STARTER SWITCH**

The HT-605 is a heavy-duty push button remote starter switch with extra long lead wires designed to save time in tune-up. Eliminates use of extra man to crank engine making tappet adjustments, setting points, etc. Heavy duty means the HT-605 can be used as a battery to starter jumper.



**HT-635  
COMPRESSION  
GAUGE  
TESTER KIT**

The starting point for any tune-up is a compression check. Unequal cylinder pressures mean the engine will not tune satisfactorily. Gauge head is graduated to 300 P.S.I. for accurate readings at mid-scale, and has pressure release valve.

Adapter stems make up ...

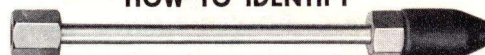
1. Short straight.
2. Long straight—Chrysler deep well.
3. Angle—for under the manifold plug openings.

Complete in metal box with extra valves, gaskets, rubber cones and step cut self locking "cones."

Your tune-up equipment starts with the compression gauge.

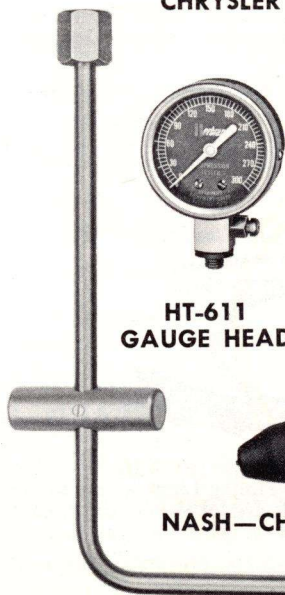
## HERBRAND COMPRESSION GAUGE ADAPTORS

### HOW TO IDENTIFY



**HT-620**

### 6" CHRYSLER DEEP WELL TYPE

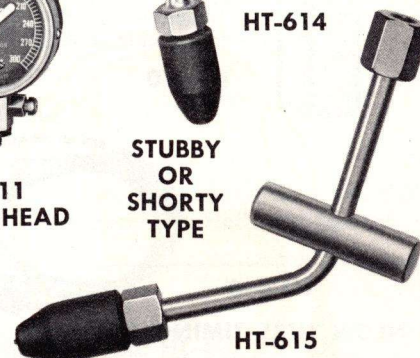


**HT-611  
GAUGE HEAD**



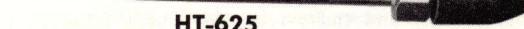
**HT-614**

### STUBBY OR SHORTY TYPE



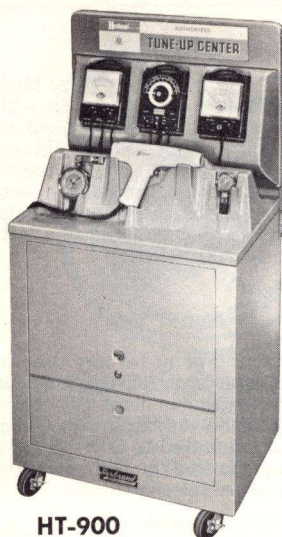
**HT-615**

### NASH—CHEVROLET—STUDEBAKER



**HT-625  
FORD PRODUCTS TYPE**





HT-900

The Herbrand HT-900 Tune-Up Center is the first practical, portable Tune-Up Center with built-in quality features and a full year's guarantee—designed expressly for service station and repair garage use.

It is complete in every respect and all instruments are portable. There are no permanent hookups, batteries, or chargers to attach.

The cabinet has three drawers for ignition parts storage as well as a storage shelf for starters and generators.

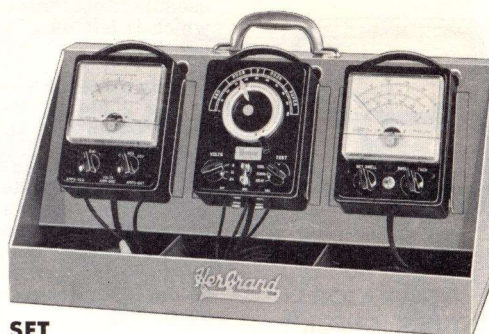
Full easy-to-understand instructions are provided with each instrument.

### TUNE-UP CENTER

Includes one each:

- HT-800 Power Timing Light
- HT-660 Coil-Condenser Tester
- HT-400 Generator-Regulator Tester
- HT-864 Combination Dwell Meter Tachometer
- HT-610 Compression Gauge and Adaptors
- HT-600 Vacuum and Fuel Pump Gauge
- HT-605 Remote Starter Switch
- HT-900-6 Portable Cabinet

### ACCESSORIES



HT-510

### TUNE-UP SET

Includes one each:

- HT-400 Generator-Regulator Tester
- HT-660 Coil-Condenser Tester
- HT-864 Combination Dwell Meter-Tachometer
- HT-450 Carrier Rack

The Herbrand HT-510 Tune-Up Set is an inexpensive unit that provides regular checks on generators, carburetors, distributors, coils, condensers, and engine speeds.

The sturdy steel case is portable and can be stored out of the way when not in use. The HT-510 plus a timing light will start any service station or repair garage in the tune-up business.

A plastic cover (HT-451) for the entire unit is available as an optional accessory.

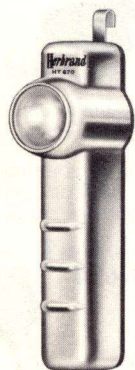


HT-450

### THREE UNIT CARRIER RACK

The HT-450 will contain any three Herbrand test instruments. Made of 22 and 24 gauge steel, orange enamelled with metal handle. 22" wide, 11½" high, 10¼" deep.

HT-451 clear vinyl cover available as optional equipment.



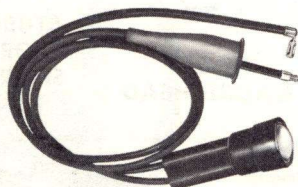
### A.C. POWER TIMING LIGHT

The Herbrand HT-670 A.C. Power Timing Light has been designed for economical, trouble-free performance in service stations, repair garage, or car dealership.

The 110 volt A.C. lead carries a ground wire terminal. This ground is a part of the hookup. USE IT!

For use on 6, 12, 24, or 48 volt systems, with simple hookup and prefocused lens, the Herbrand HT-670 is the answer to easy, fast timing of all cars.

HT-670



HT-640

### NEON TUBE TIMING LIGHT

The Herbrand HT-640 Neon Tube Timing Light is easy to use and low in cost. Terminals on leads are for use on rubber covered spark plugs, but may be used on other plugs as well.

The leads swivel freely in their sockets, preventing twist-off but permitting easy pull out for replacement.

All parts are quickly and easily replaced. The HT-640 is a well-constructed low-cost timing light capable of unusual hard usage.



HT-475

### EQUIPMENT UTILITY STAND

This stand will hold the HT-510 Tune-up Set plus extra tune-up equipment and tools. It is 28" high, 23" wide, 18" deep, and made of 16 gauge orange enamelled steel.

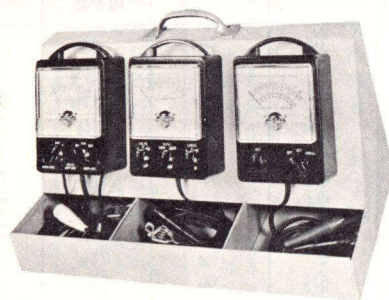
Heavy duty casters and handle permit tune-up outside garage area.



**HT-800 POWER TIMING LIGHT**

The Herbrand HT-800 "Controlled Output" Power Timing Light is guaranteed unconditionally for one full year. The "controlled output" feature provides equally brilliant light for both 6 volt and 12 volt systems. The exclusive UNDER-LOADED CIRCUIT gives twice the service life of ordinary timing lights, and the voltage-matching switch positively locks out the wrong voltage.

The HT-800's high-impact plastic case is electrically non-conductive. Greater light output is provided by the ground and polished lens. The finest power timing available anywhere.

**HT-500 TUNE-UP SET** Includes one each

- HT-400 Generator Regulator Tester
- HT-410 Tachometer
- HT-420 Comangle (Dwell) Meter
- HT-450 Carrier Rack

Designed for ease of reading and precision setting of regulator, distributor and carburetor. Regulator tester has 0-15 volt scale for setting 6 and 12 volt regulators and 0-60 volts for systems up to 32 volts. Amperage readings from -10 to 60 amps. Individual Tachometer provides 0-1000 R.P.M. scale for exact R.P.M. reading and setting and 0-5000 R.P.M. scale for road testing. Individual dwell meter is graduated separately for easy reading of 8—6 and 4 cylinder engine settings.

Dwell meter and Tachometer designed for all voltages up to 24 volts.

Designed for those demanding the utmost in accuracy.

Clear vinyl cover (HT-451) available as an accessory.

**ACCESSORIES**

Carrier racks      Carrier rack covers  
Utility equipment stand

**REPLACEMENT PARTS**

Replacement parts as listed below are available for all Herbrand equipment from the Herbrand jobber. See price list for sizes and prices.

Gaskets, compression gauge  
Adapters, compression gauge  
Flash tubes, timing light  
Compression gauge head  
Cones, compression gauge, standard  
Cones, compression gauge, expandable, 14MM  
Cones, compression gauge, expandable, 18MM  
Valve cores  
Test lead set for HT-660  
Vibrators  
Adapters, Vacuum gauge  
Adapter, timing light

Repair and service parts are handled by Herbrand Authorized Repair Centers through the Herbrand jobbers.

**UNCONDITIONAL GUARANTEE**

The following meters, HT-100, HT-210, HT-346, HT-850, HT-864, HT-660, HT-420, HT-410, HT-400, HT-670 timing light and HT-800 timing light are guaranteed to provide satisfactory service for a period of one full year.

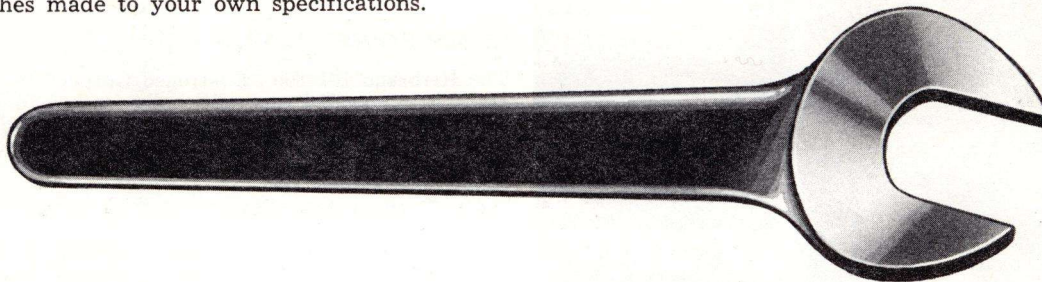
Any meter which fails or requires service during this period (excepting cases of abuse) will be repaired or replaced free of charge providing warranty card is filled out and mailed to Herbrand at time of purchase.



# HERBRAND ENGINEERS' WRENCHES—SINGLE END, 15° ANGLE, TAPERED HANDLE, DROP FORGED

Herbrand carbon steel wrenches are drop forged from selected, high carbon steels and are carefully heat treated throughout to obtain a controlled, uniform grain structure for maximum strength and utility. Designed to meet the most rigid requirements of modern industrial, construction and maintenance users. Finished in heavy baked on black enamel with faces ground bright. Single end series have narrow shaped heads and tapered handles.

**Special Wrenches**—In addition to the most popular types and sizes listed, Herbrand also specializes in wrenches made to your own specifications.



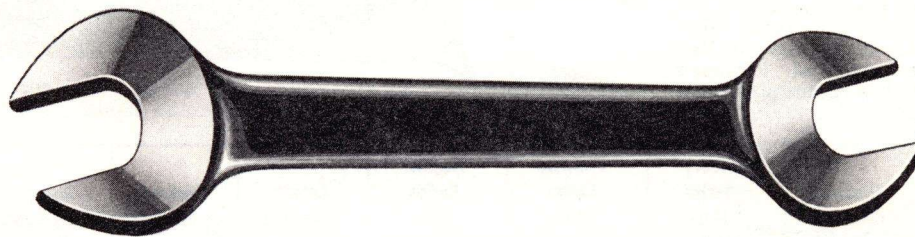
Number	Nominal Openings	Heavy Series Nuts Size Bolts	Hexagon Head Cap Screw Dia. Screws	Finished Series Nuts Size Bolts	Regular Series Nuts Size Bolts	Length (Approx.)	Thickness Heads	Approx. Wt. Lbs. 10 Pcs.	Number
00	5/16	...	...	...	...	3 1/2	5/32	9/16	00
700	3/8	...	...	...	...	4	3/16	1 1/16	700
0	13/32	...	...	...	...	4	3/16	1 1/16	0
701	7/16	...	1/4	1/4	1/4	4 5/8	7/32	1 3/16	701
1	1/2	...	5/16	5/16	...	4 5/8	7/32	1 3/16	1
702	9/16	5/16	3/8	3/8	5/16	5 1/4	1/4	1 3/4	702
2	19/32	...	...	...	...	5 1/4	1/4	1 3/4	2
703	5/8	...	7/16	...	3/8	6	9/32	2 7/16	703
3	1 1/16	3/8	...	7/16	...	6	9/32	2 7/16	3
704	3/4	7/16	1/2	1/2	7/16	6 7/8	5/16	3 1/2	704
4	25/32	...	...	...	...	6 7/8	5/16	3 1/2	4
705	13/16	...	9/16	...	1/2	7 7/8	3/8	5 1/4	705
5	7/8	1/2	...	9/16	9/16	7 7/8	3/8	5 1/4	5
6A	15/16	9/16	5/8	5/8	...	9	7/16	7 3/4	6A
706	1	...	...	...	5/8	9	7/16	7 3/4	706
7	1 1/16	5/8	...	...	...	10 1/4	1/2	10 3/8	7
707	1 1/8	...	3/4	3/4	3/4	10 1/4	1/2	10 3/8	707
8	1 1/4	3/4	...	...	...	11 1/2	9/16	15 3/8	8
8A	1 5/16	...	7/8	7/8	7/8	11 1/2	9/16	15 3/8	8A
708A	1 3/8	...	...	...	...	11 1/2	9/16	15 3/8	708A
9	1 7/16	7/8	...	...	...	13 3/4	2 1/32	22 3/4	9
709	1 1/2	...	1	1	1	13 3/4	2 1/32	22 3/4	709
10	1 5/8	1	...	...	...	15	3/4	35 1/8	10
10A	1 11/16	...	1 1/8	1 1/8	1 1/8	15	3/4	35 1/8	10A
11	1 13/16	1 1/8	...	...	...	16 3/4	2 7/32	44	11
11A	1 7/8	...	1 1/4	1 1/4	1 1/4	16 3/4	2 7/32	44	11A
12	2	1 1/4	...	...	...	18 1/2	1 5/16	62 1/4	12
12A	2 1/16	...	1 3/8	1 3/8	1 3/8	18 1/2	1 5/16	62 1/4	12A
13	2 3/16	1 3/8	...	...	...	20 1/4	1 1/32	79	13
13A	2 1/4	...	1 1/2	1 1/2	1 1/2	20 1/4	1 1/32	79	13A
14	2 3/8	1 1/2	...	...	...	22 1/4	1 1/8	108	14
14A	2 7/16	...	...	1 5/8	1 5/8	22 1/4	1 1/8	108	14A
15	2 9/16	1 5/8	...	...	...	24 3/8	1 7/32	109	15
15A	2 5/8	...	...	1 3/4	1 3/4	24 3/8	1 7/32	109	15A
16	2 3/4	1 3/4	...	...	...	27	1 9/16	148	16
16B	2 13/16	...	...	1 7/8	1 7/8	27	1 9/16	148	16B
16A	2 15/16	1 7/8	...	...	...	27	1 9/16	148	16A
17A	3	...	...	2	2	30	1 3/8	186	17A
17	3 1/8	2	...	...	...	30	1 3/8	186	17
18A	3 3/8	...	...	2 1/4	2 1/4	33	1 7/32	273	18A
18	3 1/2	2 1/4	...	...	...	33	1 7/32	273	18



# HERBRAND ENGINEERS' WRENCHES

## DOUBLE END, 15° ANGLE, DROP FORGED

Herbrand double head wrenches have improved design tapered heads. Heat treated throughout for long hard service. Stock opening sizes listed. Special openings milled to order. Finished in baked on black enamel, heads ground bright.

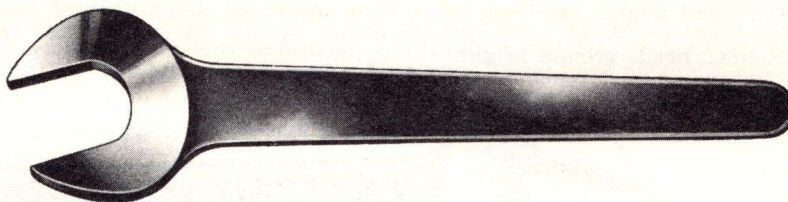


Number	Nominal Openings	Heavy Series Nuts Size Bolts	Hexagon Head Cap Screw Dia. Screws	Finished Series Nuts Size Bolts	Regular Series Nuts Size Bolts	Length (Approx.)	Thickness Heads	Approx. Wt. Lbs. 10 Pcs.	Number
721	$\frac{5}{16}$ & $\frac{3}{8}$	.. & ..	.. & ..	.. & ..	.. & ..	4	$\frac{9}{32}$	1	721
723	$\frac{3}{8}$ & $\frac{7}{16}$	.. & ..	.. & $\frac{1}{4}$	.. & $\frac{1}{4}$	.. & $\frac{1}{4}$	$4\frac{7}{8}$	$\frac{5}{16}$	$1\frac{3}{4}$	723
725	$\frac{7}{16}$ & $\frac{1}{2}$	.. & $\frac{1}{4}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & ..	$5\frac{3}{4}$	$1\frac{1}{32}$	$2\frac{5}{16}$	725
725A	$\frac{7}{16}$ & $\frac{9}{16}$	.. & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{5}{16}$	$5\frac{3}{4}$	$1\frac{1}{32}$	$2\frac{5}{16}$	725A
725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	.. & $\frac{5}{16}$	$5\frac{3}{4}$	$1\frac{1}{32}$	$2\frac{5}{16}$	725B
25	$\frac{1}{2}$ & $1\frac{1}{32}$	$\frac{1}{4}$ & ..	$\frac{5}{16}$ & ..	$\frac{5}{16}$ & ..	.. & ..	$5\frac{3}{4}$	$1\frac{1}{32}$	$2\frac{5}{16}$	25
727	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{5}{16}$ & ..	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & ..	$\frac{5}{16}$ & $\frac{3}{8}$	$6\frac{5}{8}$	$\frac{3}{8}$	$3\frac{1}{2}$	727
27	$1\frac{9}{32}$ & $1\frac{1}{16}$	.. & $\frac{3}{8}$	.. & ..	.. & $\frac{7}{16}$	.. & ..	$6\frac{5}{8}$	$\frac{3}{8}$	$3\frac{1}{2}$	27
27B	$\frac{5}{8}$ & $1\frac{1}{16}$	.. & $\frac{3}{8}$	$\frac{7}{16}$ & ..	.. & $\frac{7}{16}$	$\frac{3}{8}$ & ..	$6\frac{5}{8}$	$\frac{3}{8}$	$3\frac{1}{2}$	27B
28	$1\frac{9}{32}$ & $2\frac{5}{32}$	.. & ..	.. & ..	.. & ..	.. & ..	$7\frac{3}{4}$	$1\frac{3}{32}$	$5\frac{3}{8}$	28
729	$\frac{5}{8}$ & $\frac{3}{4}$	.. & $\frac{7}{16}$	$\frac{7}{16}$ & $\frac{1}{2}$	.. & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{7}{16}$	$7\frac{3}{4}$	$1\frac{3}{32}$	$5\frac{3}{8}$	729
29B	$1\frac{1}{16}$ & $\frac{3}{4}$	$\frac{3}{8}$ & $\frac{7}{16}$	.. & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	.. & $\frac{7}{16}$	$7\frac{3}{4}$	$1\frac{3}{32}$	$5\frac{3}{8}$	29B
29	$1\frac{1}{16}$ & $2\frac{5}{32}$	$\frac{3}{8}$ & ..	.. & ..	$\frac{7}{16}$ & ..	.. & ..	$7\frac{3}{4}$	$1\frac{3}{32}$	$5\frac{3}{8}$	29
29C	$1\frac{1}{16}$ & $1\frac{3}{16}$	$\frac{3}{8}$ & ..	.. & $\frac{9}{16}$	$\frac{7}{16}$ & ..	.. & $\frac{1}{2}$	$7\frac{3}{4}$	$1\frac{3}{32}$	$5\frac{3}{8}$	29C
731	$\frac{3}{4}$ & $1\frac{3}{16}$	$\frac{7}{16}$ & ..	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$ & ..	$\frac{7}{16}$ & $\frac{1}{2}$	$8\frac{5}{8}$	$\frac{7}{16}$	$7\frac{1}{2}$	731
731A	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$ & ..	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{7}{16}$ & $\frac{9}{16}$	$8\frac{5}{8}$	$\frac{7}{16}$	$7\frac{1}{2}$	731A
31B	$2\frac{5}{32}$ & $1\frac{3}{16}$	.. & ..	.. & $\frac{9}{16}$	.. & ..	.. & $\frac{1}{2}$	$8\frac{5}{8}$	$\frac{7}{16}$	$7\frac{1}{2}$	31B
31	$2\frac{5}{32}$ & $\frac{7}{8}$	.. & $\frac{1}{2}$	.. & ..	.. & $\frac{9}{16}$	.. & $\frac{9}{16}$	$8\frac{5}{8}$	$\frac{7}{16}$	$7\frac{1}{2}$	31
731B	$1\frac{3}{16}$ & $\frac{7}{8}$	.. & $\frac{1}{2}$	$\frac{9}{16}$ & ..	.. & $\frac{9}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$8\frac{5}{8}$	$\frac{7}{16}$	$7\frac{1}{2}$	731B
32B	$1\frac{3}{16}$ & $1\frac{5}{16}$	.. & $\frac{9}{16}$	$\frac{9}{16}$ & $\frac{5}{8}$	.. & $\frac{5}{8}$	$\frac{1}{2}$ & ..	$9\frac{5}{8}$	$\frac{1}{2}$	$11\frac{3}{4}$	32B
33A	$\frac{7}{8}$ & $1\frac{5}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	.. & $\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$ & ..	$9\frac{5}{8}$	$\frac{1}{2}$	$11\frac{3}{4}$	33A
733	$\frac{7}{8}$ & 1	$\frac{1}{2}$ & ..	.. & ..	$\frac{9}{16}$ & ..	$\frac{9}{16}$ & $\frac{5}{8}$	$9\frac{5}{8}$	$\frac{1}{2}$	$11\frac{3}{4}$	733
33C	$1\frac{5}{16}$ & 1	$\frac{9}{16}$ & ..	$\frac{5}{8}$ & ..	$\frac{5}{8}$ & ..	.. & $\frac{5}{8}$	$9\frac{5}{8}$	$\frac{1}{2}$	$11\frac{3}{4}$	33C
34	$\frac{7}{8}$ & $1\frac{1}{16}$	$\frac{1}{2}$ & $\frac{5}{8}$	.. & ..	$\frac{9}{16}$ & ..	$\frac{9}{16}$ & ..	$10\frac{3}{4}$	$\frac{9}{16}$	$16\frac{3}{16}$	34
34A	$1\frac{5}{16}$ & $1\frac{1}{16}$	$\frac{9}{16}$ & $\frac{5}{8}$	.. & ..	$\frac{5}{8}$ & ..	.. & ..	$10\frac{3}{4}$	$\frac{9}{16}$	$16\frac{3}{16}$	34A
735	1 & $1\frac{1}{8}$	.. & ..	.. & $\frac{3}{4}$	.. & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	$10\frac{3}{4}$	$\frac{9}{16}$	$16\frac{3}{16}$	735
36B	$1\frac{1}{16}$ & $1\frac{1}{8}$	$\frac{5}{8}$ & ..	.. & $\frac{3}{4}$	.. & $\frac{3}{4}$	.. & $\frac{3}{4}$	$12\frac{3}{8}$	$2\frac{1}{32}$	$22\frac{3}{16}$	36B
37	$1\frac{1}{16}$ & $1\frac{1}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	.. & ..	.. & ..	.. & ..	$12\frac{3}{8}$	$2\frac{1}{32}$	$22\frac{3}{16}$	37
737	$1\frac{1}{8}$ & $1\frac{1}{4}$	.. & $\frac{3}{4}$	$\frac{3}{4}$ & ..	$\frac{3}{4}$ & ..	$\frac{3}{4}$ & ..	$12\frac{3}{8}$	$2\frac{1}{32}$	$22\frac{3}{16}$	737
37A	$1\frac{1}{8}$ & $1\frac{3}{8}$	.. & ..	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$12\frac{3}{8}$	$2\frac{1}{32}$	$22\frac{3}{16}$	37A
39B	$1\frac{1}{4}$ & $1\frac{5}{16}$	$\frac{3}{4}$ & ..	.. & $\frac{7}{8}$	.. & $\frac{7}{8}$	.. & $\frac{7}{8}$	$14\frac{3}{8}$	$\frac{3}{4}$	$35\frac{1}{2}$	39B
39	$1\frac{1}{4}$ & $1\frac{7}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	.. & ..	.. & ..	.. & ..	$14\frac{3}{8}$	$\frac{3}{4}$	$35\frac{1}{2}$	39
39A	$1\frac{5}{16}$ & $1\frac{1}{2}$	.. & ..	$\frac{7}{8}$ & 1	$\frac{7}{8}$ & 1	$\frac{7}{8}$ & 1	$14\frac{3}{8}$	$\frac{3}{4}$	$35\frac{1}{2}$	39A
39C	$1\frac{3}{8}$ & $1\frac{7}{16}$	.. & $\frac{7}{8}$	.. & ..	.. & ..	.. & ..	$14\frac{3}{8}$	$\frac{3}{4}$	$35\frac{1}{2}$	39C
41	$1\frac{7}{16}$ & $1\frac{3}{8}$	$\frac{7}{8}$ & 1	.. & ..	.. & ..	.. & ..	$16\frac{1}{8}$	$\frac{3}{4}$	45	41
41B	$1\frac{1}{2}$ & $1\frac{3}{8}$	.. & 1	1 & ..	1 & ..	1 & ..	$16\frac{1}{8}$	$\frac{3}{4}$	45	41B
42A	$1\frac{1}{2}$ & $1\frac{1}{16}$	.. & ..	1 & $1\frac{1}{8}$	1 & $1\frac{1}{8}$	1 & $1\frac{1}{8}$	17	$2\frac{7}{32}$	$63\frac{1}{2}$	42A
43	$1\frac{3}{8}$ & $1\frac{1}{2}$	1 & $1\frac{1}{8}$	.. & ..	.. & ..	.. & ..	17	$2\frac{7}{32}$	$63\frac{1}{2}$	43
44A	$1\frac{1}{16}$ & $1\frac{1}{8}$	.. & ..	$1\frac{1}{8}$ & $1\frac{1}{4}$	$1\frac{1}{8}$ & $1\frac{1}{4}$	$1\frac{1}{8}$ & $1\frac{1}{4}$	19	$2\frac{9}{32}$	$82\frac{1}{2}$	44A
45	$1\frac{1}{16}$ & 2	$1\frac{1}{8}$ & $1\frac{1}{4}$	.. & ..	.. & ..	.. & ..	19	$2\frac{9}{32}$	$82\frac{1}{2}$	45
45A	1 & $2\frac{1}{16}$	.. & ..	$1\frac{1}{4}$ & $1\frac{3}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	19	$2\frac{9}{32}$	$82\frac{1}{2}$	45A
47	2 & $2\frac{1}{16}$	$1\frac{1}{4}$ & $1\frac{3}{8}$	.. & ..	.. & ..	.. & ..	21	1	104	47
47B	$2\frac{1}{16}$ & $2\frac{1}{4}$	.. & ..	$1\frac{3}{8}$ & $1\frac{1}{2}$	$1\frac{3}{8}$ & $1\frac{1}{2}$	$1\frac{3}{8}$ & $1\frac{1}{2}$	21	1	104	47B
49	$2\frac{1}{16}$ & $2\frac{3}{8}$	$1\frac{3}{8}$ & $1\frac{1}{2}$	.. & ..	.. & ..	.. & ..	$22\frac{1}{2}$	$1\frac{1}{16}$	129	49
49A	$2\frac{1}{4}$ & $2\frac{7}{16}$	.. & ..	$1\frac{1}{2}$ & ..	$1\frac{1}{2}$ & $1\frac{5}{8}$	$1\frac{1}{2}$ & $1\frac{5}{8}$	$22\frac{1}{2}$	$1\frac{1}{16}$	129	49A



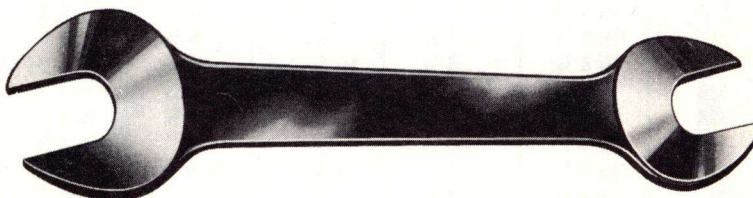
**HERBRAND ENGINEERS' WRENCHES SINGLE HEAD 15° ANGLE  
THIN WRENCH – DOUBLE HEAD 15° ANGLE THIN**

Herbrand *Thin-Wrenches* are especially designed to service check, jaw or lock nuts and adjusting screws where thin heads are required. Drop forged from high carbon steel, accurately milled and carefully hardened. Finished baked on black enamel—heads ground bright.



Number	Nominal Openings	Heavy Series Nuts Size Bolts	Finished Series Nuts Size Bolts	Regular Series Nuts Size Bolts	Length (Approx.)	Thickness Heads	Approx. Wt. Lbs. 10 Pcs.	Number
601A	7/16	...	1/4	1/4	4 5/8	5/32	1 3/16	601A
601	1/2	1/4	3/16	...	4 5/8	5/32	1 3/16	601
602A	9/16	5/16	3/8	5/16	5 1/4	11/64	1 1/4	602A
602	19/32	...	...	...	5 1/4	11/64	1 1/4	602
603A	5/8	...	...	3/8	6	3/16	1 5/8	603A
603	11/16	3/8	7/16	...	6	3/16	1 5/8	603
604A	3/4	7/16	1/2	7/16	6 7/8	7/32	2 1/2	604A
604	23/32	...	...	...	6 7/8	7/32	2 1/2	604
605A	13/16	...	...	1/2	7 3/4	1/4	3 3/8	605A
605	7/8	1/2	9/16	9/16	7 3/4	1/4	3 3/8	605
606	15/16	9/16	5/8	...	8 7/8	5/32	5 3/8	606
606B	1	...	...	5/8	8 7/8	5/32	5 3/8	606B
607	1 1/16	5/8	...	...	10 1/8	5/16	6	607
607A	1 1/8	...	3/4	3/4	10 1/8	5/16	6	607A
608	1 1/4	3/4	...	...	11 1/2	3/8	10 3/8	608
608A	1 3/8	...	7/8	7/8	11 1/2	3/8	10 3/8	608A
609	1 7/16	7/8	...	...	13 1/4	7/16	17	609
609A	1 1/2	...	1	1	13 1/4	7/16	17	609A
610	1 5/8	1	...	...	15	7/16	23 3/8	610
610A	1 11/16	...	1 1/8	1 1/8	15	7/16	23 3/8	610A

Double head *Thin-Wrenches* provide the most popular size opening combinations. Both single and double head wrenches are of improved design with pointed jaws and tapered handles. Finished baked on black enamel—heads bright.



623D	7/16 & 1/2	.. & 1/4	1/4 & 5/16	1/4 & ..	5 1/4	5/32	1	623D
624A	7/16 & 9/16	.. & 5/16	1/4 & 3/8	1/4 & 5/16	5 1/4	5/32	1	624A
624B	1/2 & 5/16	1/4 & 5/16	5/16 & 3/8	.. & 5/16	5 1/4	5/32	1	624B
625	1/2 & 19/32	1/4 & ..	5/16 & ..	.. & ..	5 1/4	5/32	1	625
626S	9/16 & 5/8	5/16 & ..	3/8 & ..	5/16 & 3/8	6 1/8	3/16	1 3/4	626S
627	19/32 & 11/16	.. & 3/8	.. & 7/16	.. & ..	6 1/8	3/16	1 3/4	627
629D	5/8 & 3/4	.. & 7/16	.. & 1/2	3/8 & 7/16	7 3/8	7/32	3 1/2	629D
629	11/16 & 23/32	3/8 & ..	7/16 & ..	.. & ..	7 3/8	7/32	3 1/2	629
630B	3/4 & 13/16	7/16 & ..	1/2 & ..	7/16 & 1/2	7 3/8	7/32	3 1/2	630B
630E	3/4 & 7/8	7/16 & 1/2	1/2 & 9/16	7/16 & 9/16	7 3/8	7/32	3 1/2	630E
631	23/32 & 7/8	.. & 7/2	.. & 9/16	.. & 9/16	8 7/8	1/4	6 3/8	631
631A	13/16 & 7/8	.. & 1/2	.. & 9/16	1/2 & 9/16	8 7/8	1/4	6 3/8	631A
632C	7/8 & 15/16	1/2 & 9/16	9/16 & 5/8	9/16 & ..	8 7/8	1/4	6 3/8	632C
634A	7/8 & 1	1/2 & ..	9/16 & ..	9/16 & 5/8	8 7/8	1/4	6 3/8	634A
634B	15/16 & 1 1/16	9/16 & 5/8	5/8 & ..	.. & ..	8 7/8	1/4	6 3/8	634B
635D	1 & 1 1/8	.. & ..	.. & 3/4	5/8 & 3/4	10 5/8	5/32	11 1/4	635D
637	1 1/16 & 1 1/4	5/8 & 3/4	.. & ..	.. & ..	10 5/8	5/32	11 1/4	637
637A	1 1/8 & 1 3/16	.. & ..	3/4 & 7/8	3/4 & 7/8	10 5/8	5/32	11 1/4	637A
639	1 1/4 & 1 7/16	3/4 & 7/8	.. & ..	.. & ..	13	3/8	18 3/4	639
640A	1 5/8 & 1 1/2	.. & ..	7/8 & 1	7/8 & 1	13	3/8	18 3/4	640A



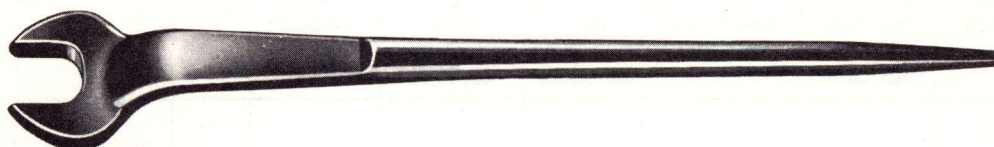
# HERBRAND ENGINEERS' WRENCHES

## STRAIGHT OPENINGS—OFFSET HEADS—LONG TANG—DROP FORGED

### STRAIGHT OPENINGS—OFFSET HEADS—LONG TANG—DROP FORGED

The style quality and dependability of Herbrand Structural Wrenches are well recognized in the Industrial and Building fields. Jaws are tapered with deep milled openings for full "non-slip" holding power. Handle is offset for clearance and safety of operator's hands. The long tang is tapered for ease in bringing bolt holes into proper alignment.

Drop forged from High Carbon steel, carefully heat treated throughout for strength and safety. Finished in heavy, baked-on, black enamel.



Number	Nominal Openings	Heavy Series Nuts Bolt Size	Regular Series Nuts Bolt Size	Thickness Head	Length Approx.	Offset	Approx. Wt. Lbs. 10 Pcs.	Number
901A	$\frac{7}{16}$	...	$\frac{1}{4}$	$\frac{3}{8}$	10	$\frac{7}{8}$	$3\frac{13}{16}$	901A
901	$\frac{1}{2}$	$\frac{1}{4}$	...	$\frac{3}{8}$	10	$\frac{7}{8}$	$3\frac{13}{16}$	901
901B	$\frac{9}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	$\frac{3}{8}$	10	$\frac{7}{8}$	$3\frac{13}{16}$	901B
902	$1\frac{1}{32}$	...	...	$\frac{3}{8}$	10	$\frac{7}{8}$	$3\frac{13}{16}$	902
903A	$\frac{5}{8}$	...	$\frac{3}{8}$	$\frac{7}{16}$	$11\frac{7}{8}$	$\frac{7}{8}$	$8\frac{11}{16}$	903A
903	$1\frac{1}{16}$	$\frac{3}{8}$	...	$\frac{7}{16}$	$11\frac{7}{8}$	$\frac{7}{8}$	$8\frac{11}{16}$	903
904A	$\frac{3}{4}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	$11\frac{7}{8}$	$\frac{7}{8}$	$8\frac{11}{16}$	904A
904	$2\frac{5}{32}$	...	...	$\frac{7}{16}$	$11\frac{7}{8}$	$\frac{7}{8}$	$8\frac{11}{16}$	904
905A	$1\frac{3}{16}$	...	$\frac{1}{2}$	$\frac{1}{2}$	$13\frac{3}{4}$	1	$13\frac{3}{4}$	905A
905	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{1}{2}$	$13\frac{3}{4}$	1	$13\frac{3}{4}$	905
906	$1\frac{5}{16}$	$\frac{9}{16}$	...	$\frac{1}{2}$	$13\frac{3}{4}$	1	$13\frac{3}{4}$	906
906A	1	...	$\frac{5}{8}$	$\frac{1}{2}$	$13\frac{3}{4}$	1	$13\frac{3}{4}$	906A
907	$1\frac{1}{16}$	$\frac{5}{8}$	...	$3\frac{3}{4}$	$16\frac{1}{4}$	$1\frac{1}{16}$	$20\frac{1}{4}$	907
907A	$1\frac{1}{8}$	...	$\frac{3}{4}$	$3\frac{3}{4}$	$16\frac{1}{4}$	$1\frac{1}{16}$	$20\frac{1}{4}$	907A
908	$1\frac{1}{4}$	$\frac{3}{4}$	...	$2\frac{3}{32}$	$18\frac{1}{4}$	$1\frac{1}{4}$	$29\frac{3}{8}$	908
908A	$1\frac{3}{16}$	...	$\frac{7}{8}$	$2\frac{3}{32}$	$18\frac{1}{4}$	$1\frac{1}{4}$	$29\frac{3}{8}$	908A
909	$1\frac{7}{16}$	$\frac{7}{8}$	...	$1\frac{1}{16}$	$19\frac{3}{8}$	$1\frac{1}{4}$	$40\frac{3}{4}$	909
909A	$1\frac{1}{2}$	...	1	$1\frac{1}{16}$	$19\frac{3}{8}$	$1\frac{1}{4}$	$40\frac{3}{4}$	909A
910	$1\frac{5}{8}$	1	...	$2\frac{3}{32}$	$21\frac{1}{4}$	$1\frac{1}{16}$	$64\frac{3}{4}$	910
910A	$1\frac{11}{16}$	...	$1\frac{1}{8}$	$2\frac{3}{32}$	$21\frac{1}{4}$	$1\frac{1}{16}$	$64\frac{3}{4}$	910A

## SPECIAL WRENCHES

### ALL TYPES, DESIGNS AND STYLES

In addition to the various popular stock types and sizes of wrenches cataloged, Herbrand specializes in developing *special wrenches* to fit *your requirements* as well as making them

to *your own specifications*. Our complete engineering and production facilities and long experience in designing and manufacturing tools of all descriptions, are available to meet your every need.

For safety and economy consult Herbrand when either standard or special wrenches are required. Many times a slight modification in a standard wrench will replace expensive, unsafe, flame-cut "machine shop specials".

**Herbrand Tools**



## WRENCH OPENINGS

"Wrench and Socket Sizes for Bolts and Nuts according to American Standards  
ASA B18.2—1955 and ASA B18.6.2—1956"

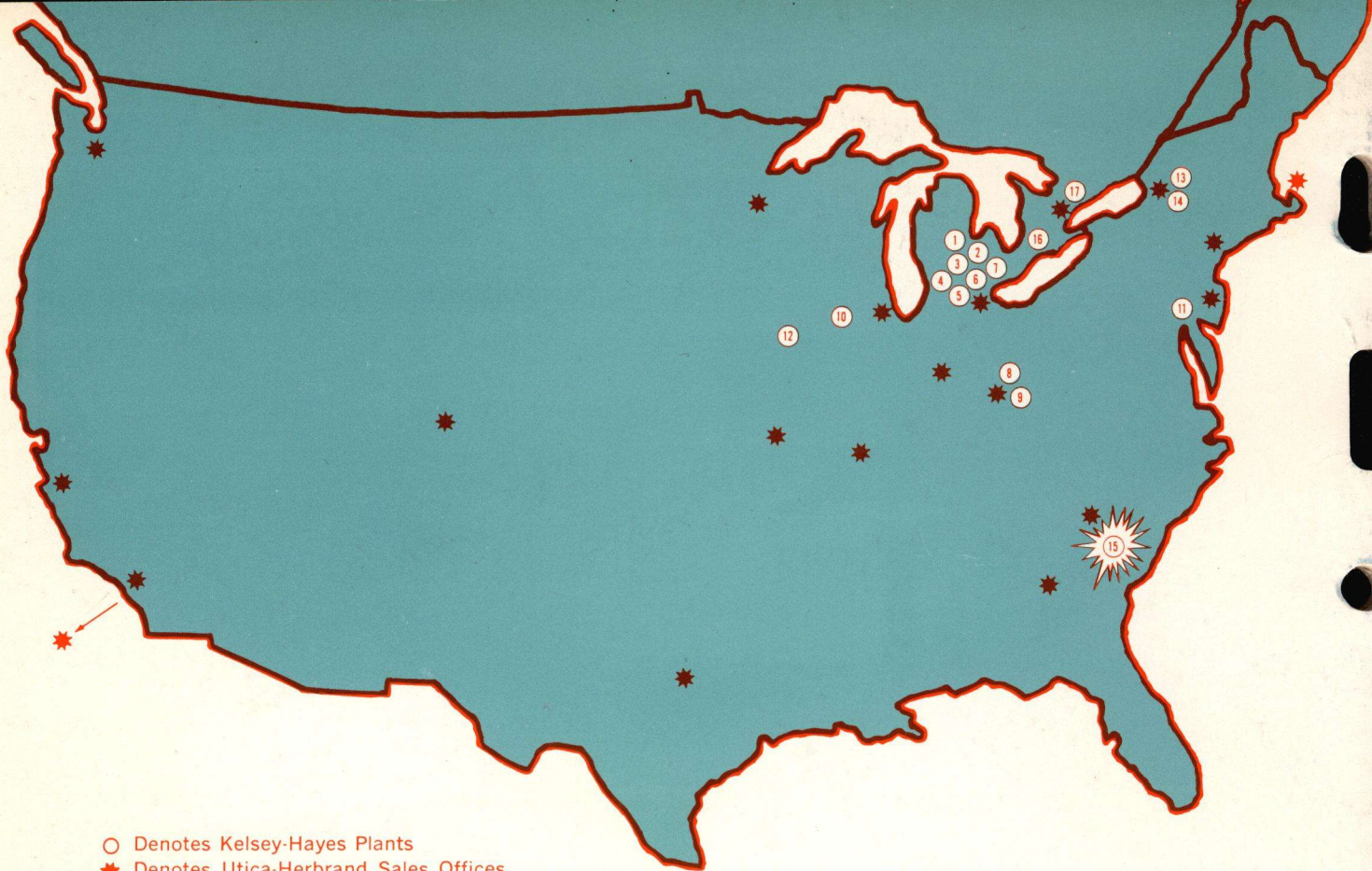
Nominal Size of Wrench, also Basic or Maximum Width Across Flat of Bolt and Screw Heads and Nuts	NUTS			BOLTS AND SCREWS				NUTS
	Finished Hex, Hex-Jam, Hex-Slotted, Hex-Thick, Hex-Thick Slotted, Hex-Castle	Regular Sq, Hex, Hex-Jam, Semi-Finish Hex, Hex-Jam and Hex-Slotted	Heavy Sq, Hex, Hex-Jam, and Semi-Finish Hex, Hex-Jam and Hex-Slotted	Finished and Regular Bolts Sq, Hex, Semi-Finished Hex Hex Head Cap Screw	Heavy Bolts Hex, Semi-Finish Hex and Finished Hex	Lag Bolts	Set Screw	Machine Screw Nuts and Stove Bolt Nuts
5/32	...	...	...	...	...	...	...	No. 0 and No. 1
3/16	...	...	...	...	...	...	No. 10	No. 2 and No. 3
7/32	...	...	...	...	...	...	No. 12	...
1/4	...	...	...	...	...	...	1/4	No. 4
9/32	...	...	...	...	...	No. 10	...	...
5/16	...	...	...	...	...	...	5/16	No. 5 and No. 6
11/32	...	...	...	...	...	...	...	No. 8
3/8	...	...	...	1/4 *	...	1/4	3/8	No. 10
7/16	1/4	1/4	...	1/4	...	...	7/16	No. 12 and 1/4
1/2	5/16	...	1/4	5/16	...	5/16	1/2	...
9/16	3/8	5/16	5/16	3/8	...	3/8	9/16	5/16
5/8	...	3/8	...	7/16	...	7/16	5/8	3/8
11/16	7/16	...	3/8	...	...	...	...	...
3/4	1/2	7/16	7/16	1/2	...	1/2	3/4	...
13/16	...	1/2	...	9/16	...	...	...	...
7/8	9/16	9/16	1/2	...	1/2	...	7/8	...
15/16	5/8	...	9/16	5/8	...	5/8	...	...
1	...	5/8	...	...	...	...	1	...
1 1/16	...	...	5/8	...	5/8	...	...	...
1 1/8	3/4	3/4	...	3/4	...	3/4	1 1/8	...
1 1/4	...	...	3/4	...	3/4	...	1 1/4	...
1 3/16	7/8	7/8	...	7/8	...	7/8	...	...
1 3/8	...	...	...	...	...	...	1 3/8	...
1 7/16	...	...	7/8	...	7/8	...	...	...
1 1/2	1	1	...	1	...	1	1 1/2	...
1 5/8	...	...	1	...	1	...	...	...
1 11/16	1 1/8	1 1/8	...	1 1/8	...	1 1/8	...	...
1 13/16	...	...	1 1/8	...	1 1/8	...	...	...
1 7/8	1 1/4	1 1/4	...	1 1/4	...	1 1/4	...	...
2	...	...	1 1/4	...	1 1/4	...	...	...
2 1/16	1 3/8	1 3/8	...	1 3/8	...	...	...	...
2 1/8	...	...	1 3/8	...	1 3/8	...	...	...
2 1/4	1 1/2	1 1/2	...	1 1/2	...	...	...	...
2 3/8	...	...	1 1/2	...	1 1/2	...	...	...
2 7/16	...	1 5/8	...	1 5/8	...	...	...	...
2 1/2	...	...	1 5/8	...	1 5/8	...	...	...
2 5/8	1 3/4	1 3/4	...	1 3/4	...	...	...	...
2 3/4	...	...	1 3/4	...	1 3/4	...	...	...
2 13/16	...	1 7/8	...	...	...	...	...	...
2 5/16	...	...	1 7/8	...	1 7/8	...	...	...
3	2	2	...	2	...	...	...	...
3 1/8	...	...	2	...	2	...	...	...
3 1/4	2 1/4	2 1/4	...	2 1/4	...	...	...	...
3 1/2	...	...	2 1/4	...	2 1/4	...	...	...
3 3/4	2 1/2	2 1/2	...	2 1/2	...	...	...	...
3 7/8	...	...	2 1/2	...	2 1/2	...	...	...
4 1/8	2 3/4	2 3/4	...	2 3/4	...	...	...	...
4 1/4	...	...	2 3/4	...	2 3/4	...	...	...
4 1/2	3	3	...	3	...	...	...	...
4 5/8	...	...	3	...	3	...	...	...
4 7/8	...	...	...	3 1/4	...	...	...	...
5	...	...	3 1/4	...	...	...	...	...

\*Regular square only.









- Denotes Kelsey-Hayes Plants  
 ★ Denotes Utica-Herbrand Sales Offices

#### MANUFACTURING PLANTS

- ①② DETROIT MICHIGAN
- ③ ROMULUS, MICHIGAN (Corporate Offices and General Staff)
- ④ ROMULUS, MICHIGAN (Automotive Division)
- ⑤⑥⑦ JACKSON, MICHIGAN (Three Plants)
- ⑧⑨ SPRINGFIELD, OHIO (Steel Products Engineering Division)
- ⑩ ROCKFORD, ILLINOIS (Gunite Foundry)
- ⑪ PHILADELPHIA, PENNSYLVANIA (Heintz Division)
- ⑫ DAVENPORT, IOWA (French & Hecht Division)
- ⑬⑭ UTICA, NEW YORK (Utica Turbine Parts Division)
- ⑮ ORANGEBURG, SOUTH CAROLINA (Utica Herbrand Tool Division)
- ⑯ WINDSOR, ONTARIO (Kelsey-Wheel Ltd.)
- ⑰ WOODSTOCK, ONTARIO (Eureka Foundry & Mfg. Co. Ltd.)

#### UTICA-HERBRAND SALES OFFICES

- |                       |                      |
|-----------------------|----------------------|
| DALLAS, TEXAS         | NEW YORK CITY, N. Y. |
| LOS ANGELES, CALIF.   | TORONTO, ONT.        |
| SAN FRANCISCO, CALIF. | PHILADELPHIA, PENN.  |
| SEATTLE, WASH.        | ATLANTA, GA.         |
| DENVER, COLO.         | CINCINNATI, OHIO     |
| MINNEAPOLIS, MINN.    | DETROIT, MICH.       |
| CHICAGO, ILLINOIS     | INDIANAPOLIS, IND.   |
| ST. LOUIS, MO.        | KANSAS CITY, KAN.    |
| CHARLOTTE, N. C.      | HONOLULU             |
| UTICA, N. Y.          | BOSTON, MASS.        |



**UTICA-HERBRAND**



DROP FORGE AND TOOL DIVISION  
 KELSEY-HAYES COMPANY  
 ORANGEBURG, SOUTH CAROLINA